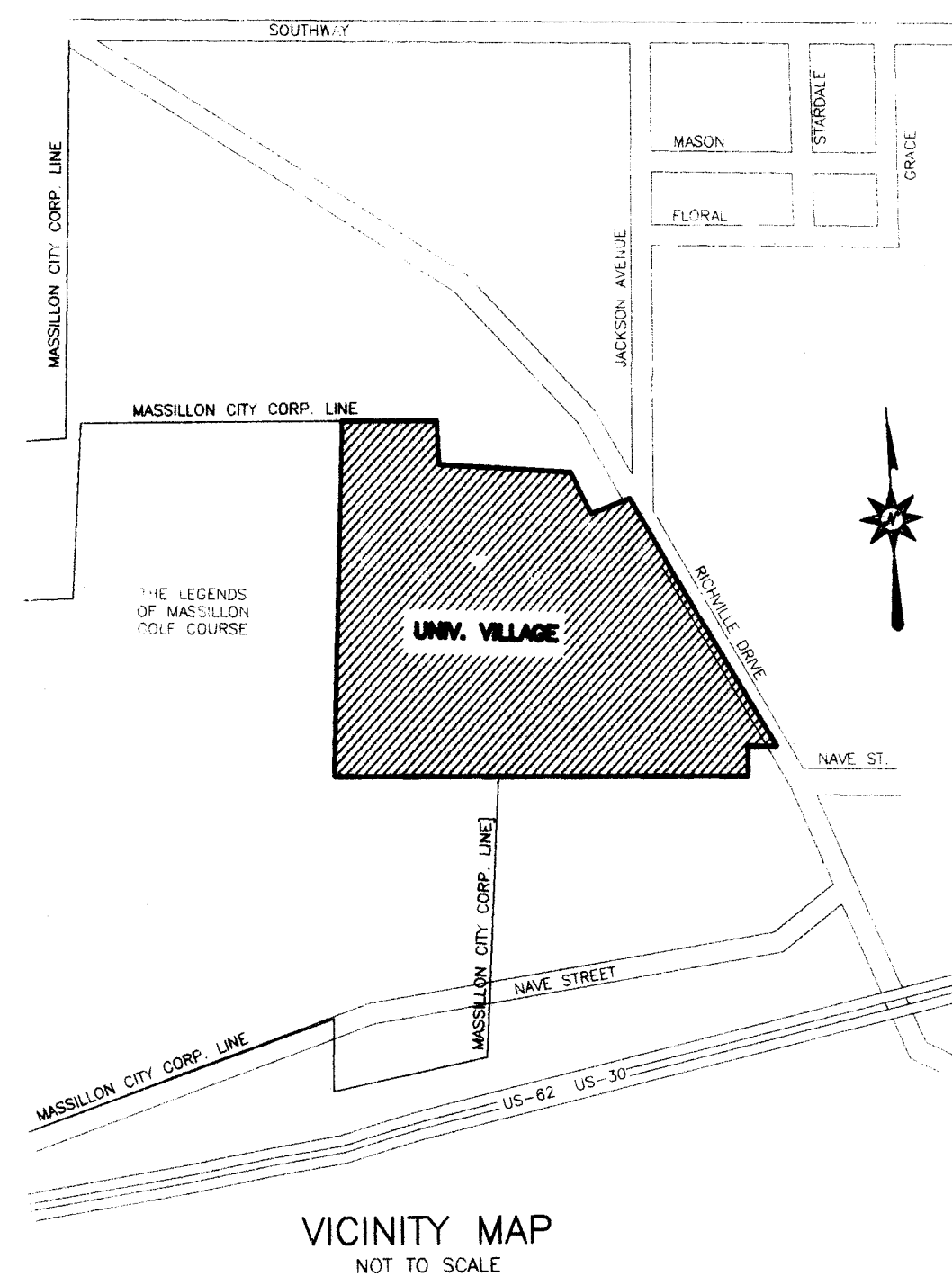




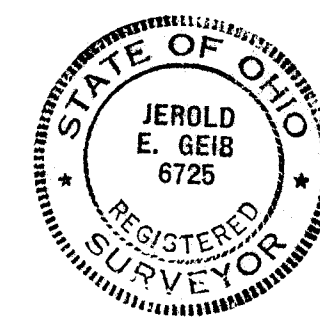
RECORD PLAT UNIVERSITY VILLAGE PHASE 4

LOCATED IN PART OF O.L. 557 IN THE CITY OF MASSILLON
STARK COUNTY, OHIO

JULY 1999

OWNER/DEVELOPER -
P.R.M.D.C. LTD., A LIMITED PARTNERSHIP
C/O FRED TOBIN
7634 STRAUSSER ST. N.W.
NORTH CANTON, OHIO 44720
PHONE 330-497-9744

AREA IN ROADWAY 2.808 Ac.
AREA IN LOTS 12.565 Ac.
TOTAL AREA 15.373 Ac.
TOTAL NUMBER OF LOTS - 37



I HEREBY CERTIFY THAT THIS IS A CORRECT PLAT OF A SURVEY MADE BY ME THIS 30TH DAY OF July, 1999, AND THAT THE SURVEY BALANCES AND CLOSES AND THE MONUMENTS SHOWN HEREON ARE SET AS SHOWN OR SHALL BE SET AS SHOWN AND THAT ALL DIMENSIONAL AND GEODETIC DETAILS ARE CORRECT.

REGISTERED SURVEYOR No. 6725
JEROLD E. GEIB

KNOW ALL MEN BY THESE PRESENTS, THAT P.R.M.D.C., LTD. THE OWNER OF THE LAND SHOWN ON THIS PLAT, REPRESENTED BY FRED W. TOBIN AND JACK L. CUSTER, DULY AUTHORIZED MEMBERS, DO HEREBY ACKNOWLEDGE THE MAKING AND SIGNING OF THIS PLAT TO BE THEIR FREE ACT AND DEED AND DO HEREBY DEDICATE THE STREETS, SANITARY SEWER, STORM SEWER, AND DRAINAGE EASEMENTS AS SHOWN HEREON TO PUBLIC USE FOREVER.

IN TESTIMONY THEREOF, WE HEREUNTO SET OUR HANDS THIS ____ DAY OF ____ 1999.

OWNER- P.R.M.D.C., LTD. WITNESSES
BY FRED W. TOBIN, MANAGING MEMBER
BY JACK L. CUSTER, MEMBER

STATE OF OHIO
COUNTY OF STARK s.s.
BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY, PERSONALLY APPEARED THE ABOVE MENTIONED MEMBERS OF P.R.M.D.C., LTD. WHO ACKNOWLEDGED THAT THEY DID SIGN THE FOREGOING INSTRUMENT AND THAT IT WAS THEIR FREE ACT AND DEED ACCORDING TO LAW, SWORN TO AND SUBSCRIBED BEFORE ME THIS ____ DAY OF ____ 1999.

MY COMMISSION EXPIRES: ____ NOTARY PUBLIC

APPROVED BY THE MASSILLON CITY PLANNING COMMISSION AT A MEETING HELD THIS ____ DAY OF ____, 199__

CHAIRMAN SECRETARY

APPROVED BY THE MASSILLON CITY ENGINEER THIS ____ DAY OF ____, 199__ AND LOT NUMBERS ASSIGNED.

MASSILLON CITY ENGINEER

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE THAT NO ENCUMBRANCES EXIST ON THE LANDS HEREIN OFFERED FOR PUBLIC USE, THIS ____ DAY OF ____, 199__

MASSILLON CITY LAW DIRECTOR

ACCEPTED BY THE COUNCIL OF THE CITY OF MASSILLON BY ORDINANCE No. ____ PASSED THIS ____ DAY OF ____, 199__

PRESIDENT CLERK OF COUNCIL

ENTERED FOR TRANSFER BY THE STARK COUNTY AUDITOR THIS ____ DAY OF ____, 199__

STARK COUNTY AUDITOR

RECEIVED FOR RECORD BY THE STARK COUNTY RECORDER THIS ____ DAY OF ____, 199__ PLAT BOOK ____ PAGE ____

STARK COUNTY RECORDER

FEE \$ ____

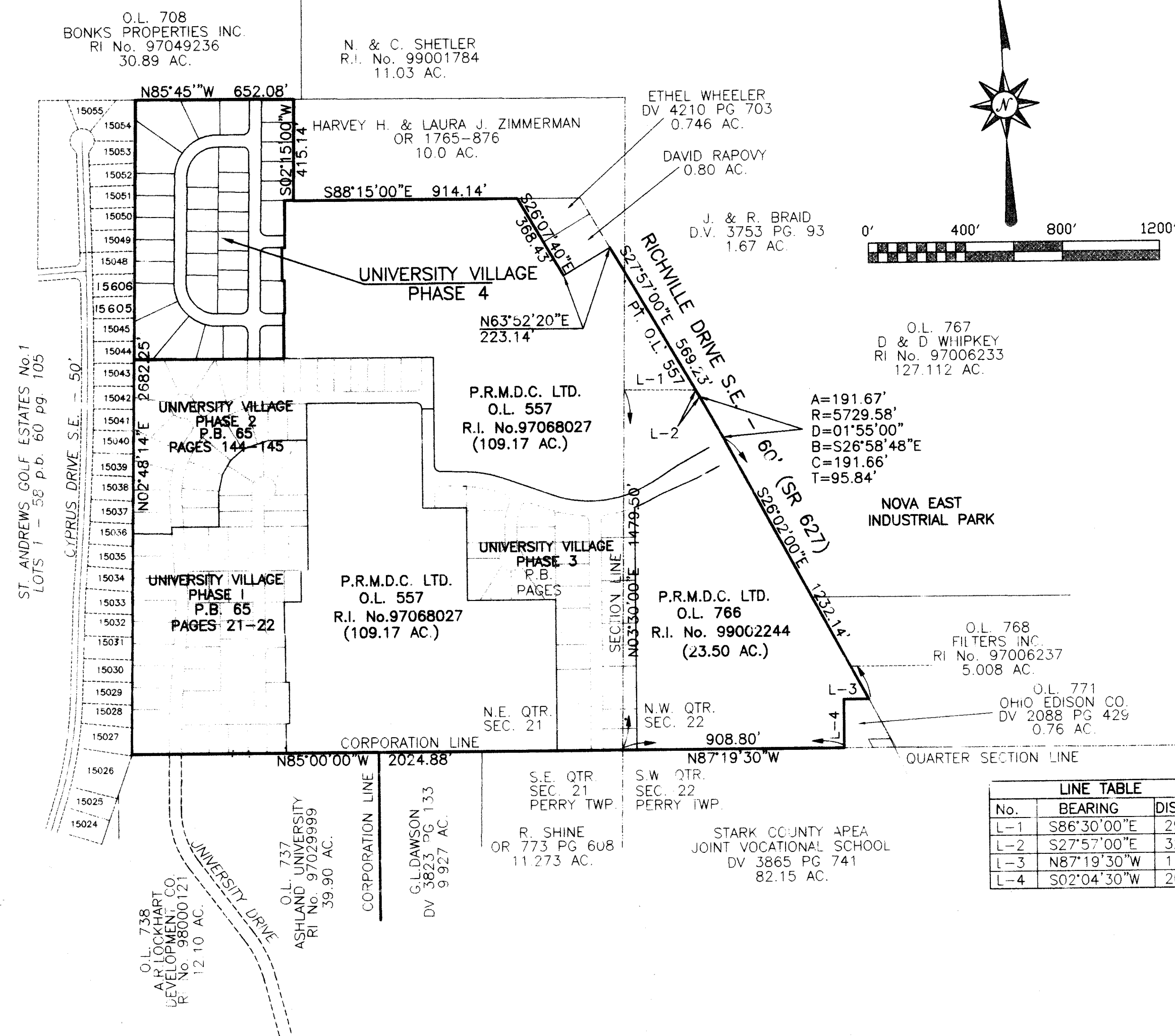
REFERENCE DIRECTION -

BEARING SYSTEM ESTABLISHED FROM SURVEY OF THE HOL-WIT, INC. PROPERTY BY ROBERT P. HOOVER, P.S. No. 6155, PERFORMED IN DEC. 1996, USING N03°23'56"E FOR THE EAST LINE OF THE N.E. QTR. SEC. 21, PERRY TOWNSHIP.

PERTINENT DOCUMENTS -

R.I. No. 97068027
R.I. No. 97068026
F.I. No. 98000121
R.I. No. 97029999
D.V. 382¹ PG. 133
O.R. 773 PG. 608
D.V. 3865 PG. 741
D.V. 2088 PG. 429
R.I. No. 97006237
R.I. No. 97006233
D.V. 4210 PG. 703
O.R. 1765 PG. 876
O.R. 1767 PG. 225
R.I. No. 97049216
P.B. 60 PG. 105
P.B. 52 PG. 139
P.B. 64 PG. 79
P.I. No. 99001784
R.I. No. 99002744
P.I. No. 98074313
R.R. B', PG. 168
STARK CO. P.B. 388, PG. 4-11

LINE TABLE		
No.	BEARING	DISTANCE
L-1	S86°30'00"E	297.00'
L-2	S27°57'00"E	32.37'
L-3	N87°19'30"W	112.92'
L-4	S02°04'30"W	200.00'



PLAT OF LANDS OF THE DEDICATORS FROM WHICH LAND IS TAKEN
SEC. 7, T.1, R.2
SCALE 1" = 400'

APPROVED
FOR CONSTRUCTION

RECORD PLAT

SCALE	N/A	VER.	N/A
DATE	JULY 1999	FIELD BOOK No.	N/A
SHEET	1	OF	2
BRYAN J. ASHMAN JEROLD E. GEIB			
COOPER & ASSOCIATES, P.L.L. ENGINEERS AND SURVEYORS PHONE (330) 452-5731 FAX (330) 452-9110			
RECORD PLAT UNIVERSITY VILLAGE PHASE 4 PART OF O.L. 557, CITY OF MASSILLON STARK COUNTY, OHIO FOR : P.R.M.D.C. LTD.			
MASS. CITY COMMENTS	7/23	CHK	BY
DESCRIPTION	DATE	REVISIONS	
DRAWN BY: C.H.B. CHK'D BY: R.R.D.			
PROJ. # 99140			

RECORD PLAT
UNIVERSITY VILLAGE PHASE 4

LOCATED IN PART OF O.L. 557 IN THE CITY OF MASSILLON
STARK COUNTY, OHIO

SCALE 1" = 100'

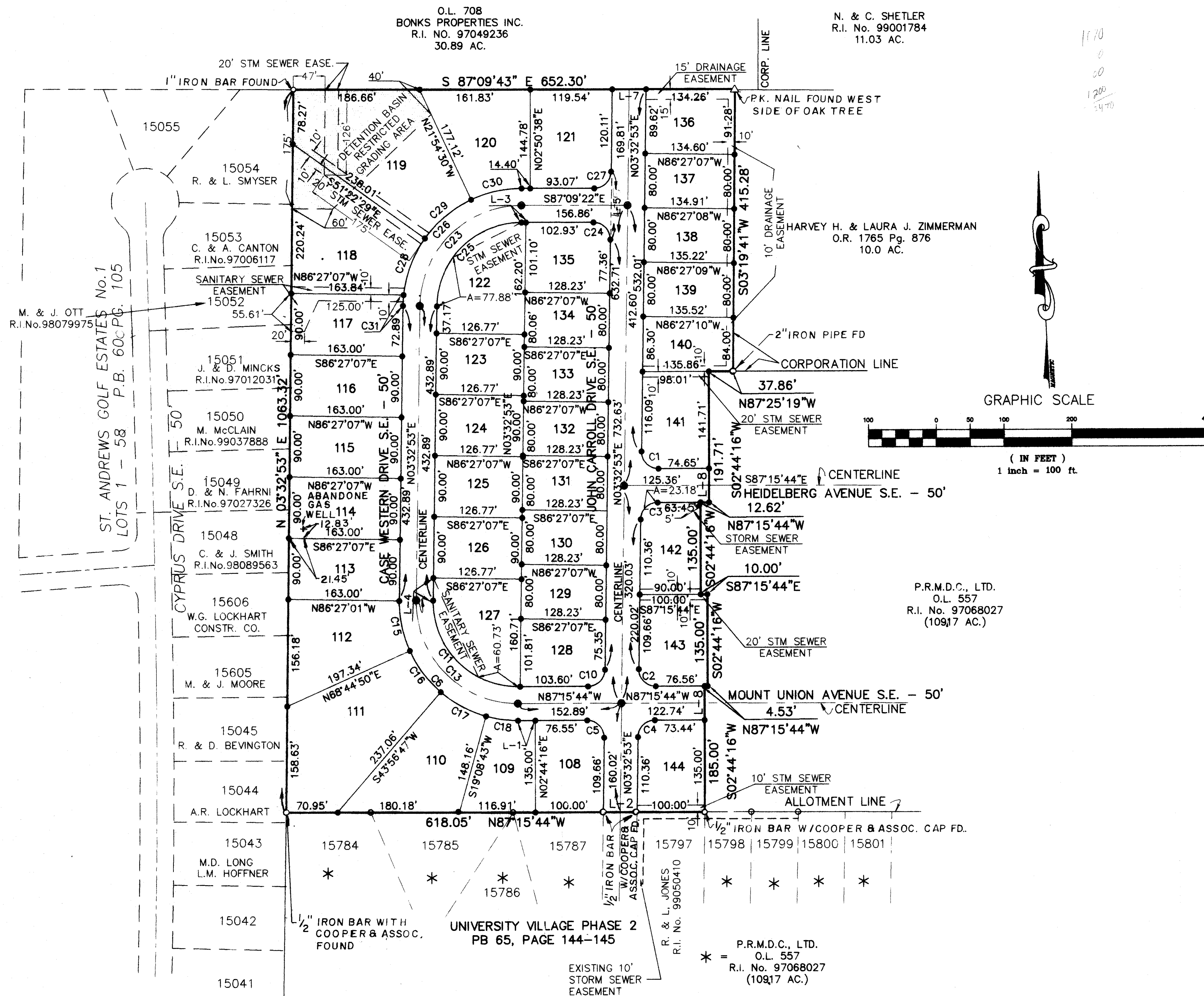
JULY 1999

— OWNER/DEVELOPER —
P.R.M.D.C. LTD., A LIMITED PARTNERSHIP
C/O FRED TOBIN
7694 STRAUSSER ST. N.W.
NORTH CANTON, OHIO 44720
PHONE 330-497-9744

EASEMENTS AND RESTRICTIONS

AN EASEMENT, TEN FEET WIDE ON THE FRONT AND FIVE FEET WIDE ON THE SIDES AND BACK OF ALL LOTS, AND TEN FEET ON THE EXTERIOR BOUNDARY OF THIS ALLOTMENT IS HEREBY DEDICATED AND RESERVED IN THIS SUBDIVISION TO: COUNTY OF STARK, CITY OF MASSILLON, CONSUMERS OHIO WATER CO., EAST OHIO GAS COMPANY, OHIO EDISON COMPANY, OHIO BELL TELEPHONE COMPANY, MASSILLON CABLE COMPANY, AND ANY P.U.C.O. REGULATED UTILITY FOR THE PURPOSES OF CONSTRUCTION, ERECTION, AND/OR MAINTENANCE OF ANY TRANSMISSION LINES, PIPES, CABLES, CONDUITS, BURIED WIRES, SWALES OR OTHER APPURTENANCES FOR THE TRANSMISSION OF POWER, ELECTRIC, COMMUNICATIONS, STORM WATER, SANITARY SEWER WASTES, WATER, AND/OR ANY FUTURE DEVELOPED PUBLIC UTILITY. THIS EASEMENT GIVES ALL OF THE UTILITIES THE RIGHT TO REMOVE TREES AND LANDSCAPING WITHOUT LIABILITY AS REQUIRED TO MAINTAIN, OPERATE, OR CONSTRUCT THE FACILITIES.

DETENTION BASIN RESTRICTION
SHADED AREA REPRESENTS RESTRICTED AREA FOR STORM WATER DETENTION. THE RESTRICTED AREA MAY NOT BE BUILT UPON, NOR SHALL GRADING BE ADJUSTED UNTIL SUCH TIME AS THE DETENTION BASIN IS ABANDONED.
MAINTENANCE OF DETENTION BASIN (MOWING GRASS) TO BE THE RESPONSIBILITY OF THE LOT OWNERS.



CURVE TABLE						
NUMBER	LENGTH	RADIUS	DELTA ANGLE	TANGENT	CHORD	BEARING
1	39.62	25.00	90°48'37"	25.36	35.60	N41°51'25.5"W
2	39.62	25.00	90°48'37"	25.36	35.60	N41°51'25.5"W
3	38.92	25.00	89°11'23"	24.65	35.10	N48°08'34.5"E
4	38.92	25.00	89°11'23"	24.65	35.10	N48°08'34.5"E
5	39.62	25.00	90°48'37"	25.36	35.60	S41°51'25.5"E
6	277.36	175.00	90°48'37"	177.49	249.23	S41°51'25.5"E
10	38.92	25.00	89°11'23"	24.65	35.10	S48°08'34.5"W
11	198.12	125.00	90°48'37"	126.78	178.02	S41°51'25.5"E
13	237.74	150.00	90°48'37"	152.14	213.63	S41°51'25.5"E
15	75.75	175.00	24°48'03"	38.48	75.16	S08°51'09"E
16	75.75	175.00	24°48'03"	38.48	75.16	S33°39'12"E
17	75.75	175.00	24°48'03"	38.48	75.16	S58°27'15"E
18	50.11	175.00	16°24'27"	25.23	49.94	S79°03'30"E
23	233.78	150.00	89°17'45"	148.17	210.82	N48°11'45.5"E
24	39.58	25.00	90°42'15"	25.31	35.57	N41°48'14.5"W
25	194.81	125.00	89°17'45"	123.47	175.69	N48°11'45.5"E
26	272.74	175.00	89°17'45"	172.86	245.96	N48°11'45.5"E
27	38.96	25.00	89°17'45"	24.69	35.14	N48°11'45.5"E
28	90.00	175.00	29°27'59"	46.02	89.01	N23°53'32"E
29	90.00	175.00	29°27'59"	46.02	89.01	N53°21'31"E
30	75.60	175.00	24°45'08"	38.40	75.01	N80°28'04"E
31	17.14	175.00	05°36'39"	8.58	17.13	N06°21'12.5"E

LINE TABLE		
LINE	BEARING	DISTANCE
L-1	S87°15'44"E	25.63
L-2	N87°15'44"W	50.01
L-3	S87°09'22"E	3.30
L-4	N03°32'53"E	35.72
L-5	S03°32'53"W	100.01'
L-6		
L-7	S87°09'43"E	50.01
L-8	S02°44'16"W	50.00

- LEGEND —
- IRON BAR TO BE SET AT ALL LOT CORNERS AND CURVE POINTS
 - MONUMENT SET
 - IRON PIPE OR BAR FOUND (AS NOTED)
 - MONUMENT FOUND
 - P.K. NAIL FOUND

RECORD PLAT

STATE OF OHIO
JEROLD E. GEIB
REGISTERED SURVEYOR

COOPER & ASSOCIATES, P.L.L.
ENGINEERS AND SURVEYORS
1358 MARKET AVENUE, NORTH CANTON, OHIO 44714
PHONE (330) 452-5731
FAX (330) 452-9110

BRYAN J. ASHMAN
JEROLD E. GEIB

DATE: JULY 1999
FIELD BOOK NO. N/A
SHEET 2 OF 2

ST. ANDREWS GOLF ESTATES No. 1
LOTS 1 - 58 P.B. 60, PG. 105

UNIVERSITY VILLAGE PHASE 4
PART OF O.L. 557, CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C. LTD.

DETENTION BASIN NOTE: 6/4/99
GEOMETRIC REVISIONS: 7/23 CHB
DESCRIPTION: DATE BY
REVISIONS

DRAWN BY: C.H.B. CHECKED BY: P.R.D.

99140

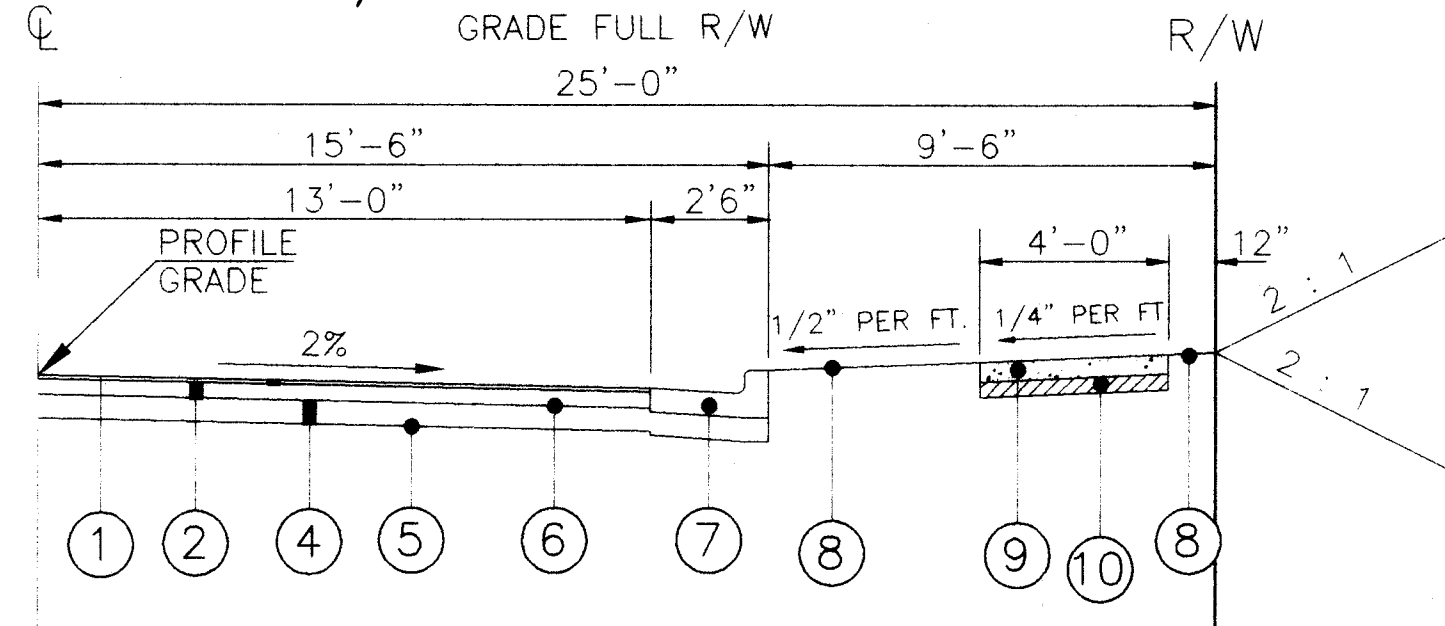
GENERAL NOTES

- CONTRACTOR SHALL CHECK DETAIL DRAWINGS FOR MINIMUM GRADE AND BACKFILL REQUIREMENTS.
- ALL COMBINATION CONCRETE CURB AND GUTTER TO BE MASSILLON STANDARD EXCEPT WHERE VARIATIONS ARE TO BE EXTENDED OR MET - SEE SPECIFICATION BOOK AND PLANS.
- EXCAVATION FOR COMBINATION CONCRETE CURB AND GUTTER SHALL BE INCLUDED IN THE COST PER LINEAL FOOT OF SAID CURB AND GUTTER.
- ALL COMBINATION CONCRETE CURB AND GUTTER TO BE CONSTRUCTED BEFORE EXCAVATION IS STARTED, WHEN EXCAVATION DOES NOT EXCEED 1'-0" IN DEPTH.
- ROADWAY EXCAVATION TO BE 2" TO 4" BELOW FINISHED GRADE OF STREET AT THE DISCRETION OF THE CITY ENGINEER.
- ALL CATCH BASINS AND MANHOLES TO BE ADJUSTED TO GRADE WHERE NECESSARY.
- ALL CONCRETE TO BE 1:2; 4-6 BAG MIX. 28 DAY - 3000 PSI COMPRESSIVE STRENGTH; MAX. SLUMP TO BE 4".
- CONTRACTOR SHALL PAY INSPECTOR(S) AT THE RATE OF TIME AND ONE HALF OF REGULAR RATE AFTER 4:30 P.M. MONDAY THRU FRIDAY. SATURDAYS ALL DAY AT TIME AND ONE HALF.
- ALL MATERIALS USED WILL BE NEW - NO SALVAGED MATERIAL WILL BE ACCEPTED EXCEPT CASTINGS.
- IF CONTRACTOR EXCAVATES DEEPER THAN NECESSARY FOR CURB AND GUTTER, CONTRACTOR WILL FURNISH ODOT 304 AGGREGATE AND TAMP BEFORE CURB AND GUTTER IS CONSTRUCTED.
- IF SUBGRADE IS UNSUITABLE, CONTRACTOR WILL EXCAVATE AND REPLACE SUCH MATERIAL WITH CRUSHED RUN GRAVEL. AT THE DISCRETION OF THE INSPECTOR OR CITY ENGINEER, THIS FILL TO BE PLACED IN 6" LAYERS OR LESS; SAID FILL TO BE COMPACTED TO 95% MAXIMUM LABORATORY DRY WEIGHT BEFORE ANY ADDITIONAL LAYERS ARE ADDED. CONTRACTOR WILL BE PAID FOR EXTRA GRAVEL AND EXCAVATION. THIS COMPACTION TO BE DONE BEFORE FORMS ARE PLACED.
- ALL EXTRA PAY ITEMS WILL HAVE THE APPROVAL OF THE BOARD OF CONTROL BEFORE EXTRA ITEMS ARE INSTALLED.
- CONTRACTOR TO BACKFILL CURB IMMEDIATELY AFTER CURB HAS BEEN IN PLACE FOR 48 HOURS.
- CONTRACTOR WILL NOTIFY COOPER & ASSOCIATES WHEN HE IS IN NEED OF CONSTRUCTION STAKES AND THIS OFFICE WILL COMPLY WITHIN A PERIOD OF 48 HOURS.
- CIRCLE CURB WHEN RADIUS IS 175 FT. OR LESS.
- ALL STORM SEWER PIPES WITHIN PAVEMENT LIMITS OR WITHIN 5' OF B/C LINE SHALL BE REINFORCED CONCRETE PIPE (ODOT 706.02) (* SEE BELOW) AND SHALL BE TYPE 'B' CONDUIT WITH GRANULAR BACKFILL TO WITHIN 1' OF FINISH GRADE IN ACCORDANCE WITH ODOT 603 CLASS B BEDDING AND GRANULAR BACKFILL; ALL STORM SEWERS NOT WITHIN 5' OF B/C SHALL BE SMOOTH LINED CORRUGATED POLYETHYLENE (ODOT 944) OR REINFORCED CONCRETE PIPE (ODOT 706.02) AND SHALL BE TYPE 'C' CONDUIT IN ACCORDANCE WITH ODOT 603 WITH CLASS B BEDDING AND SUITABLE SOIL BACKFILL.
- * OR SMOOTH LINED CORRUGATED POLYETHYLENE(ODOT 944)
- STORM SEWER LATERALS SHALL BE PROVIDED TO EACH LOT. LATERALS SHALL BE 6" PVC(SDR 21) PIPE (UNLESS OTHERWISE NOTED ON THE PLANS) AND SHALL BE DIRECTLY CONNECTED TO THE STORM SEWER WITH APPROVED TEE OR SADDLE CONNECTION. HEADERS SHALL EXTEND 10' INTO THE LOT OR BEYOND FURTHEST UTILITY LINE - WHICHEVER IS GREATER.
- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE ANY WORK IS BEGUN. THE CITY OF MASSILLON IS NOT RESPONSIBLE FOR ANY LOST TIME DUE TO UTILITY RELOCATION.
- MANHOLES AND CATCH BASINS SHALL BE CONSTRUCTED IN CONFORMANCE WITH MASSILLON CITY STANDARDS (FILE NO. S81) AVAILABLE FROM THE CITY ENGINEER.
- CONTRACTOR SHALL CONTACT CITY OF MASSILLON ENGINEERING DEPT. AT 330-830-1722 AT LEAST 2 DAYS PRIOR TO THE INITIATION OF CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION MEETING.
- STREET LIGHTING IS REQUIRED. DEVELOPER SHALL CO-ORDINATE WITH ELECTRIC UTILITY COMPANY FOR POLE LOCATION AND TYPE.
THE DEVELOPER SHALL INSTALL, AT HIS COST, STREET SIGNS REPRESENTING THE NAMES OF ALL STREETS AT ALL INTERSECTIONS. DEVELOPER ALSO RESPONSIBLE FOR STOP SIGNS AND DIRECTIONAL SIGNS AS NECESSARY. ALL SIGNS SHALL CONFORM WITH CITY OF MASSILLON REGULATIONS.
- THERE IS TO BE NO CONSTRUCTION TRAFFIC UTILIZING EXISTING ROADWAY WITHIN UNIVERSITY VILLAGE PHASE I. ALL CONSTRUCTION TRAFFIC MUST USE THE EXISTING CONSTRUCTION ROAD FROM RICHVILLE DRIVE.
- CONTRACTOR SHALL NOTIFY CITY ENGINEER'S OFFICE (830-1722) FOR APPROVAL (PROOF-ROLLING) OF SUBGRADE PRIOR TO ANY PAVING.

SANITARY SEWER NOTES

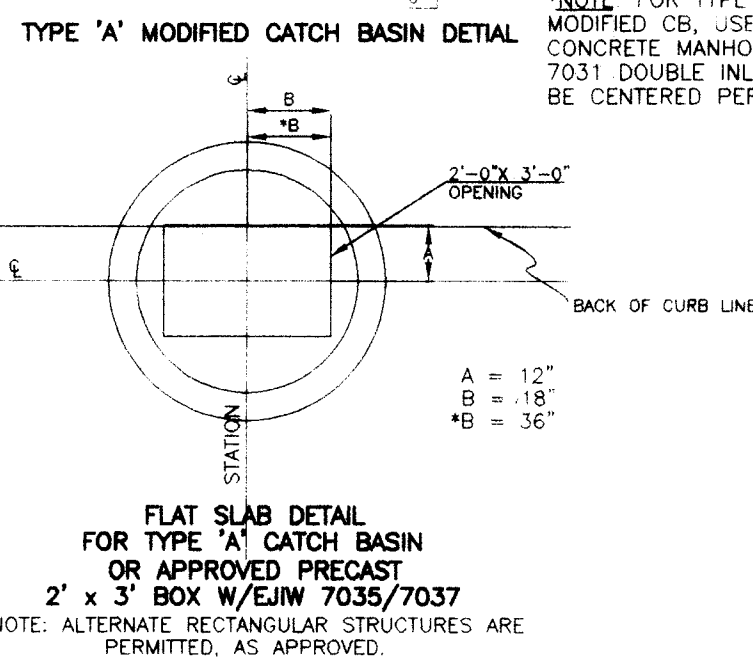
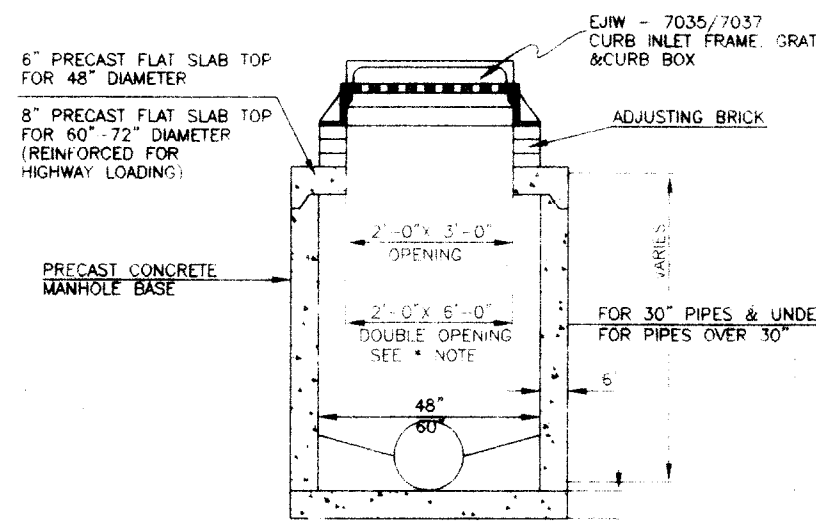
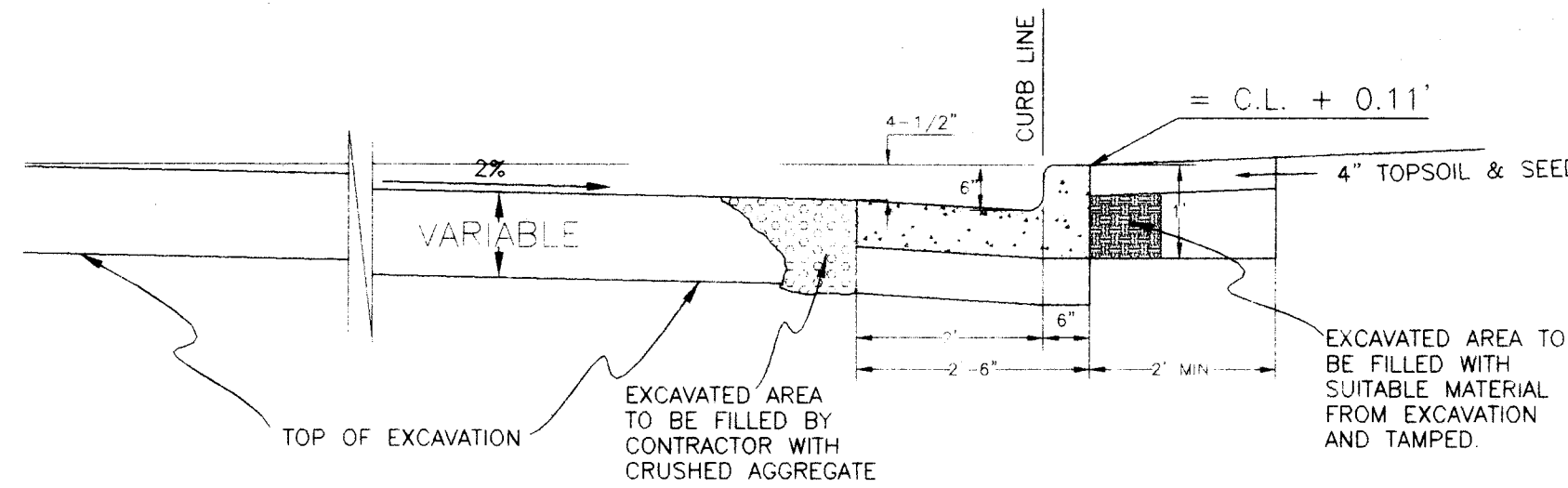
- ALL SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO MASSILLON CITY ENGINEERING DEPARTMENT SPECIFICATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- FIRST FLOOR ELEVATION FOR BUILDING AT THE BUILDING SETBACK LINE SHALL BE A MINIMUM OF 6" ABOVE STREET CENTERLINE GRADE.
- MINIMUM COVER OVER ALL SANITARY SEWER MUST BE 3.0 FEET
- ALL SANITARY SEWERS, 8" DIAMETER AND LARGER, MUST PASS INTERNAL TELEVISION INSPECTION. THE CONTRACTOR SHALL PROVIDE COMPLETE INTERNAL INSPECTION VIDEO/TAPE TO THE SANITARY ENGINEERING DEPARTMENT. THE VIDEOTAPING PROCEDURE MUST BE IN ACCORDANCE WITH STARK COUNTY SANITARY ENGINEERING DEPARTMENT SPECIFICATIONS.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY OF MASSILLON ENGINEERING DEPT. (330-830-1722) TO SCHEDULE A PRE-CONSTRUCTION MEETING. A MINIMUM OF 72 HOURS NOTICE IS REQUIRED TO SCHEDULE THIS MEETING.
- SANITARY SEWER MAY BE ANY OF THE FOLLOWING MATERIALS, HOWEVER THE COMPLETE SYSTEM MUST BE UNIFORM IN PIPE MATERIAL.
 - V.C.P. EXTRA STRENGTH A.S.T.M. C-700 WITH COMPRESSION TYPE JOINTS IN CONFORMANCE WITH A.S.T.M. C-425
 - A.B.S. COMPOSITE PIPE A.S.T.M. D-2680 WITH CHEMICALLY WELDED PREMIUM JOINTS ASTM D-2680
 - P.V.C. PIPE A.S.T.M. D-3034 S.D.R. 35 MAXIMUM WITH GASKETED PREMIUM JOINTS ASTM D-3212
- A BULKHEAD SHALL BE CONSTRUCTED IN THE EXISTING MANHOLE AT THE ENTRANCE OF THE PROPOSED SEWER PIPE AND REMAIN IN PLACE UNTIL THE NEW SEWER LINE IS COMPLETE, TESTED AND APPROVED BY THE MASSILLON CITY ENGINEER, AT WHICH TIME THE BULKHEAD SHALL BE REMOVED.
- LEAKAGE LIMIT TEST TO BE 100 GAL./IN./MI./DAY.
- MANHOLE AND TRENCHES SHALL BE PER MASSILLON DETAILS. DRAWINGS. SANITARY SEWER PIPE TO BE PVC PER ASTM-3034 WITH JOINTS PER ASTM-3212. BEDDING PER ASTM-2321.
- SANITARY SERVICE LATERALS SHALL EXTEND INTO THE LOT 10' BEYOND R/W OR BEYOND FURTHEST UTILITY LINE - WHICHEVER IS GREATER.

50' R/W TYPICAL HALF SECTION



- | | | |
|---|----------|---|
| ① | ITEM 404 | 1-1/2" ASPHALT CONCRETE SURFACE |
| ② | ITEM 301 | 4" BITUMINOUS AGGREGATE BASE |
| ④ | ITEM 304 | 6" AGGREGATE BASE (2-3" COURSES) |
| ⑤ | ITEM 203 | COMPACTED SUBGRADE |
| ⑥ | ITEM 408 | BITUMINOUS PRIME COAT(0.4 GAL/SY) |
| ⑦ | ITEM 609 | MASSILLON STANDARD CURB AND GUTTER (ODOT TYPE 2) |
| ⑧ | ITEM 659 | SEEDING AND MULCHING |
| ⑨ | ITEM 608 | 4" CONCRETE WALK (TO BE PERFORMED BY HOMEBUILDER) |
| ⑩ | ITEM 304 | 4" AGGREGATE BASE UNDER WALK (TO BE PERFORMED BY HOMEBUILDER) |

MASSILLON STANDARD CURB AND GUTTER DETAIL (ODOT TYPE 2)



* NOTE: ALTERNATE RECTANGULAR STRUCTURES ARE PERMITTED, AS APPROVED.

ESTIMATED QUANTITIES

ITEM	QTY.	UNIT	DESCRIPTION
EARTHWORK			
203	8722	S.Y.	SUBGRADE COMPACTION
203	7845	C.Y.	ROADWAY EXCAVATION NOT INCL. EMBANK. CONST.
203	-	C.Y.	ROADWAY EMBANKMENT
207	LUMP	L.S.	EROSION & SEDIMENT CONTROL PER SWP3
ROADWAY			
301	824	C.Y.	BITUMINOUS AGGREGATE BASE(4")
304	1454	C.Y.	6" AGGREGATE BASE (2-3" COURSES)
404	309	C.Y.	1-1/2" ASPHALT CONCRETE
408	2968	GAL.	PRIME COAT (0.4 GAL. PER SQ. YD.)
409	-	C.Y.	SEAL COAT COVER AGGREGATE (0.008 C.Y./SQ.YD.)
409	-	GAL.	SEAL COAT BITUMINOUS MATERIAL (0.3 GAL./SQ. YD.)
604	7	EACH	STANDARD CITY MONUMENTS (ODOT STANDARD)
609	-	L.F.	ODOT TYPE 6 CURB
609	4690	L.F.	MASSILLON STANDARD CURB AND GUTTER
609	-	L.F.	CONC. CHANNEL(REF. SECT A-A DET. BASIN)
659	2844	S.Y.	SEEDING AND MULCHING (ROADWAY)
608	8	EACH	CURB RAMP (PERFORMANCE BY HOMEBUILDER)
608	18,760	S.F.	4" CONCRETE WALK(PERFORMANCE BY HOMEBUILDER)
304	232	C.Y.	4" AGG. BASE UNDER WALK(PERFORMANCE BY HOMEBUILDER)
SANITARY SEWER			
603	1273	L.F.	6" SANITARY SEWER PIPE (LATERALS)
603	2481	L.F.	8" SANITARY SEWER PIPE
603	30	EACH	8" x 6" WYES
604	1	EACH	CORE DRILL EX. MH & BOOT ASSY FOR PROP. CONNECTION
604	106.65	V.F.	(10) SANITARY MANHOLES (COMPLETE)
604	5.4	V.F.	(1) 8" DROP ATTACHMENT
604	2	EACH	8" PLUG & MARKER
604	10	L.F.	CONCRETE ENCASEMENT OF 8" SANITARY
STORM SEWER			
603	-	L.F.	6" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	1120	L.F.	6" PVC DOWNSPOUT LATERAL
603	98	L.F.	12" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	291	L.F.	12" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	1900	L.F.	15" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	167	L.F.	15" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	-	L.F.	18" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	35	L.F.	18" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	294	L.F.	24" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	161	L.F.	24" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	-	L.F.	36" STORM SEWER (SEE NOTE 16) TYPE 'C'
604	16	EACH	CATCH BASIN TYPE 'A'
604	3	EACH	CATCH BASIN TYPE 'A' (MOD.)
604	-	EACH	CATCH BASIN TYPE 'A' (DBL.)
604	-	EACH	CATCH BASIN TYPE 2-2-A
604	-	EACH	CATCH BASIN TYPE 2-4-B
604	1	EACH	STORM MANHOLE (COMPLETE)
604	3	EACH	HEADWALL ODOT TYPE 4B (MOD. FULL HEIGHT(12"PIPE)
604	1	EACH	HEADWALL ODOT TYPE 4B (MOD. FULL HEIGHT(15"PIPE)
604	1	EACH	CONCRETE PIPE HEADWALL ODOT TYPE 4B(24"PIPE)
601	5.67	C.Y.	DUMPED ROCK CHANNEL PROTECTION TYPE 'C'
608	85	L.F.	DETENTION BASIN CONCRETE CHANNEL
	LUMP	L.S.	DETENTION BASIN (INCL. EXCAVATION, EMBANKMENT, SEEDING & MULCHING.)
WATERLINE			
814	-	L.F.	4" DUCTILE IRON PIPE, ANSI PRESSURE CLASS 350 W/POLYWRAP
814	2583	L.F.	8" DUCTILE IRON PIPE, ANSI PRESSURE CLASS 350 W/POLYWRAP
814	-	L.F.	2" TYPE 'K' COPPER TUBING OR PVC W/TRACER WIRE OR 2" HDPE SDR9 PE 3409
814	1	EACH	8" x 8" MJ CROSS
814	2	EACH	8" x 8" MJ TEE
814	-	EACH	4" GATE VALVE W/BOX
814	9	EACH	8" GATE VALVE W/BOX
814	-	EACH	2" CURB STOP
814	-	EACH	2" x 2" TAPPING SLEEVE
814	-	EACH	8" x 2" TAPPED TEE
814	2	EACH	3" 11-1/4" BEND
814	2	EACH	8"-45° BEND
814	2	EACH	8"-22-1/2° BEND
814	-	EACH	8" BEND
814	-	EACH	3" CAP W/2" TAP BLOW OFF
814	2	EACH	3" POJ PLUG W/2" TAP BLOW OFF
814	-	EACH	8" POJ PLUG & MARKER
814	1	EACH	REMOVE EXIST. 8" POJ. PLUG
814	-	EACH	FIRE HYDRANT REMOVED AND RESET
814	3	EACH	FIRE HYDRANT ASSEMBLY, COMPLETE
814	-	EACH	WATER SERVICE CONNECTION W/CURB BOX (830/1")BY CONTRACTOR
814	37	EACH	WATER SERVICE CONNECTION W/CURB BOX (1200/1")BY OTHERS

APPROVED BY THE MASSILLON CITY ENGINEER

THIS 4TH DAY OF AUGUST, 1999

James J. Banks
MASSILLON CITY ENGINEER

SCALE: HORIZ. N/A VERT. N/A
DATE: MAY 1999
FIELD BOOK No. N/A
SHEET 3 OF 11

BRYAN J. ASHMAN
JEROLD E. GIBB

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS

1359 MARKET AVENUE, NORTH CANTON, OHIO 44714
PHONE (330) 452-5731
FAX No. (330) 452-9110

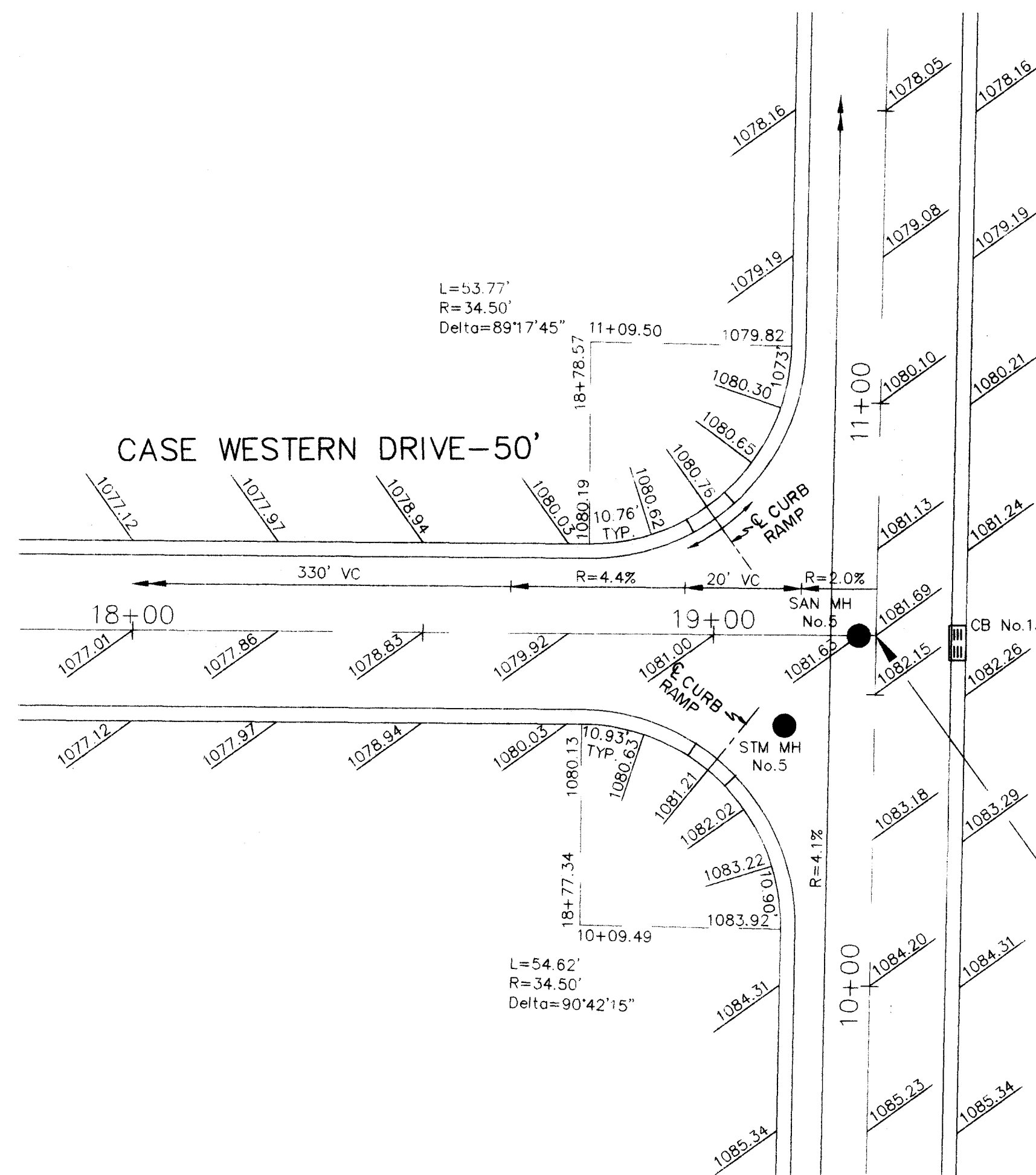
TYPICAL SECTION & QUANTITIES
UNIVERSITY VILLAGE
PHASE 4
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR : P.R.M.D.C. LTD.

STATE OF OHIO
BRYAN J. ASHMAN
E-043804
REGISTERED PROFESSIONAL ENGINEER

STN. REVISIONS
MASS. CITY COMMENTS
DATE
BY
REVISIONS
DWN BY: C.H.B. CHK'D BY:

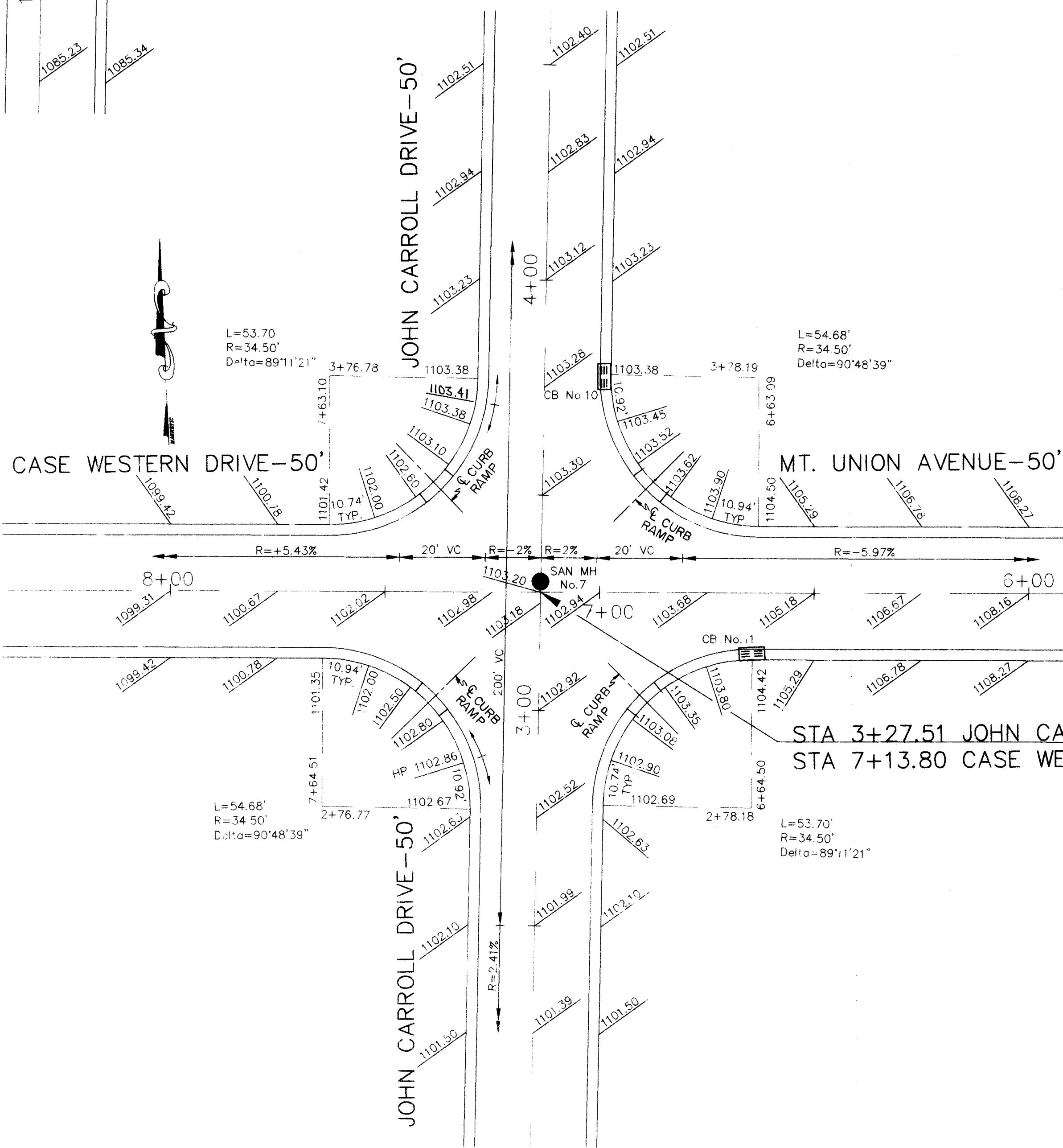
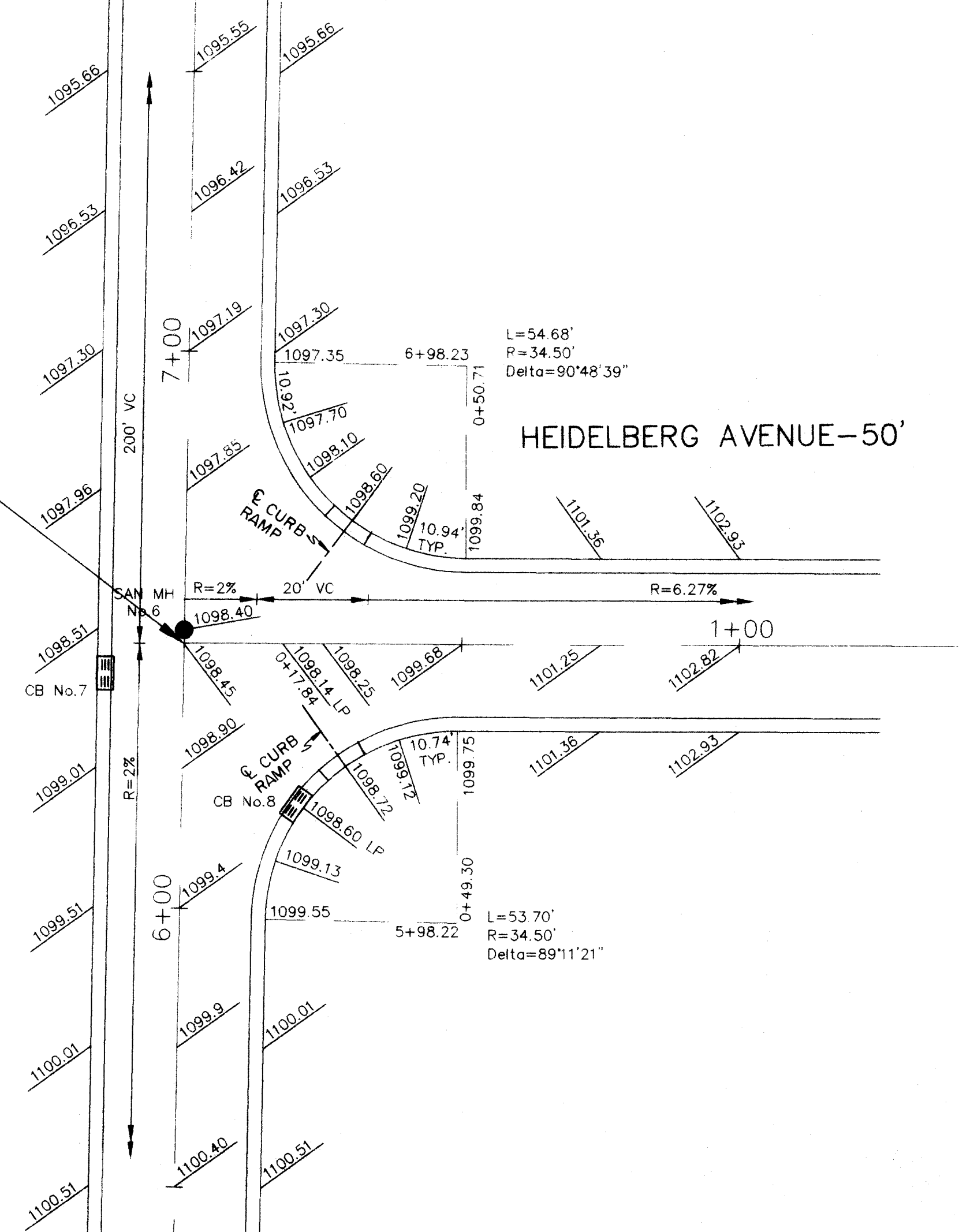
TYPICAL SECTION AND QUANTITIES

99140

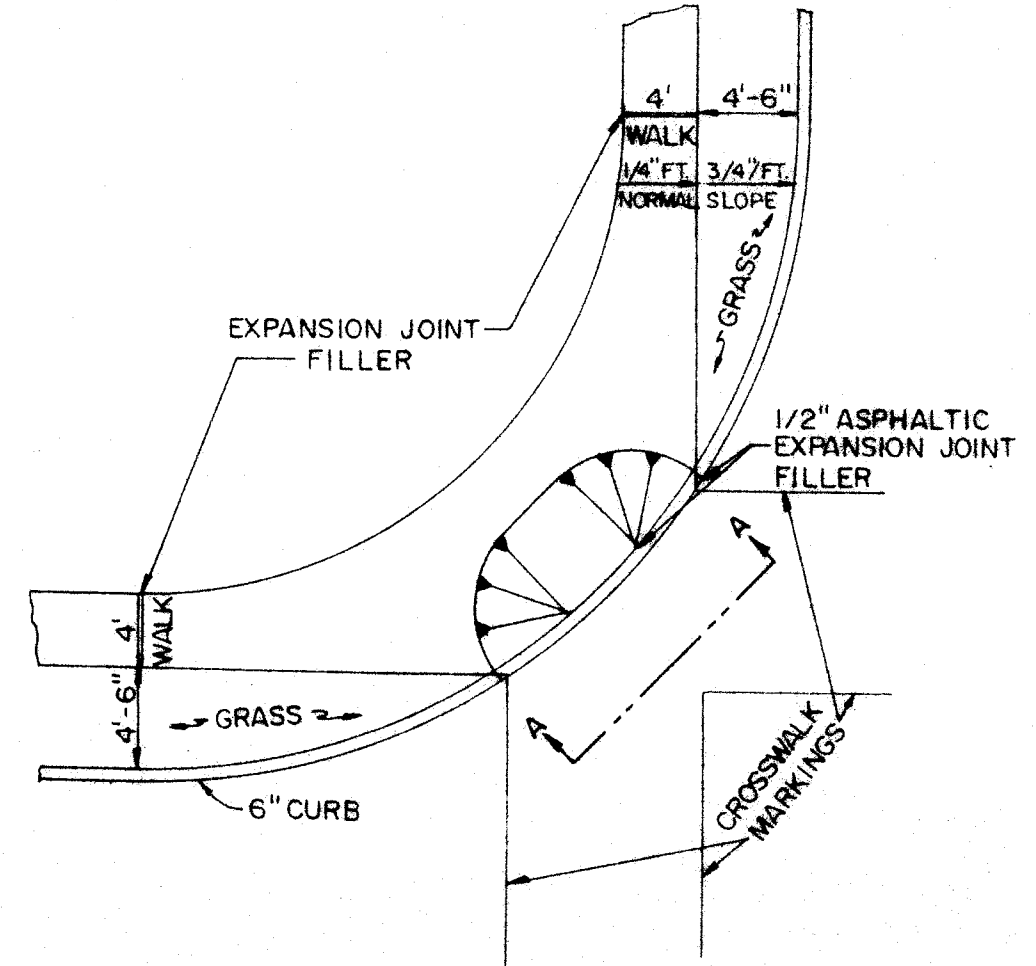


STA 10+60.11 JOHN CARROLL=
STA 19+27.96 CASE WESTERN

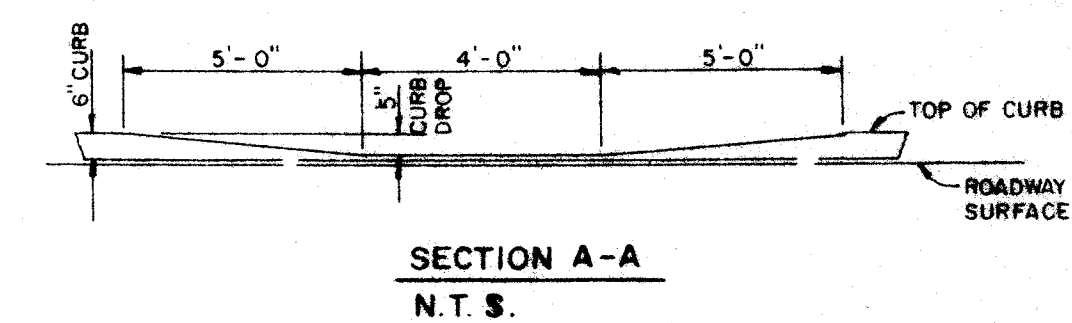
STA 6+47.51 JOHN CARROLL=
STA 0+00.00 HEIDELBERG



STA 3+27.51 JOHN CARROLL=
STA 7+13.80 CASE WESTERN & MT. UNION



TYPICAL CURB RAMP
N.T.S.

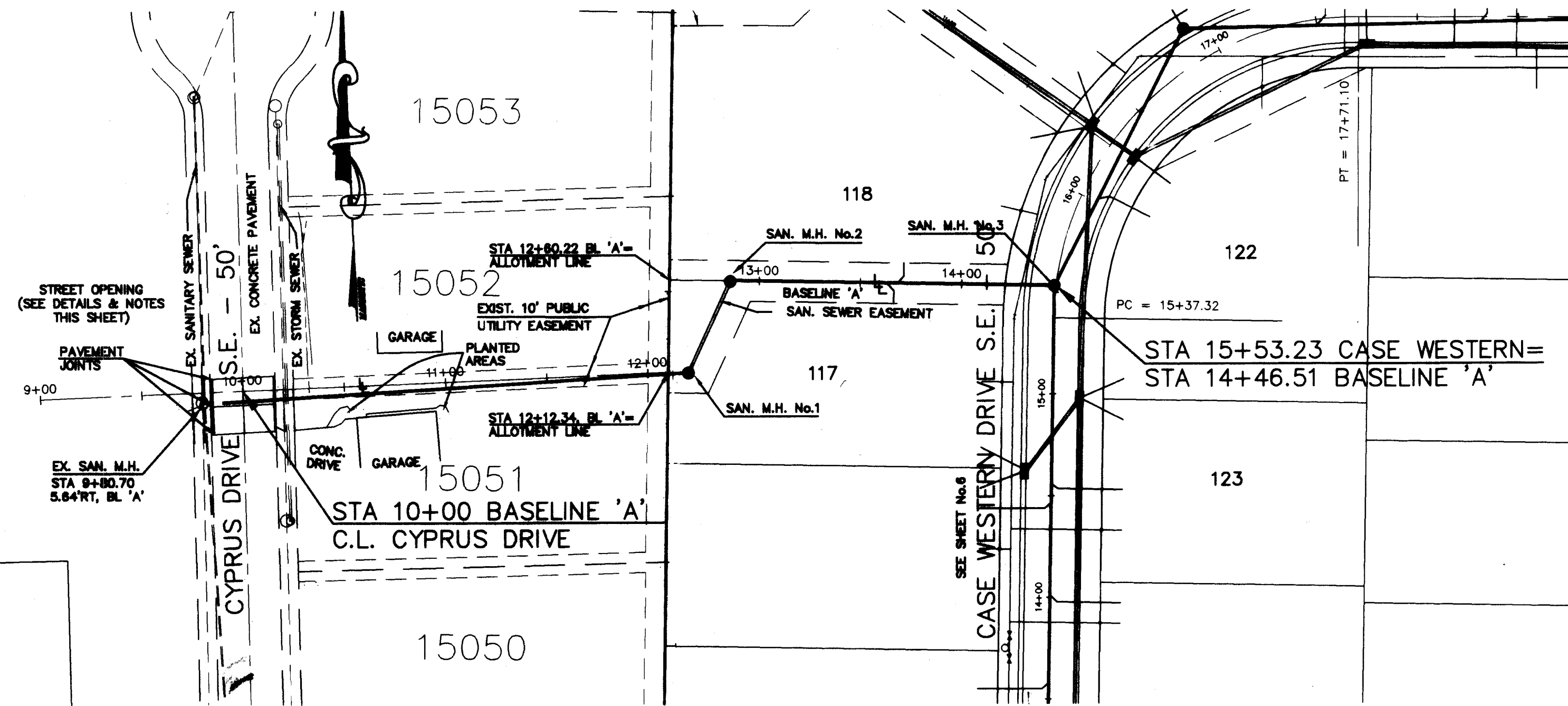


SECTION A-A
N.T.S.

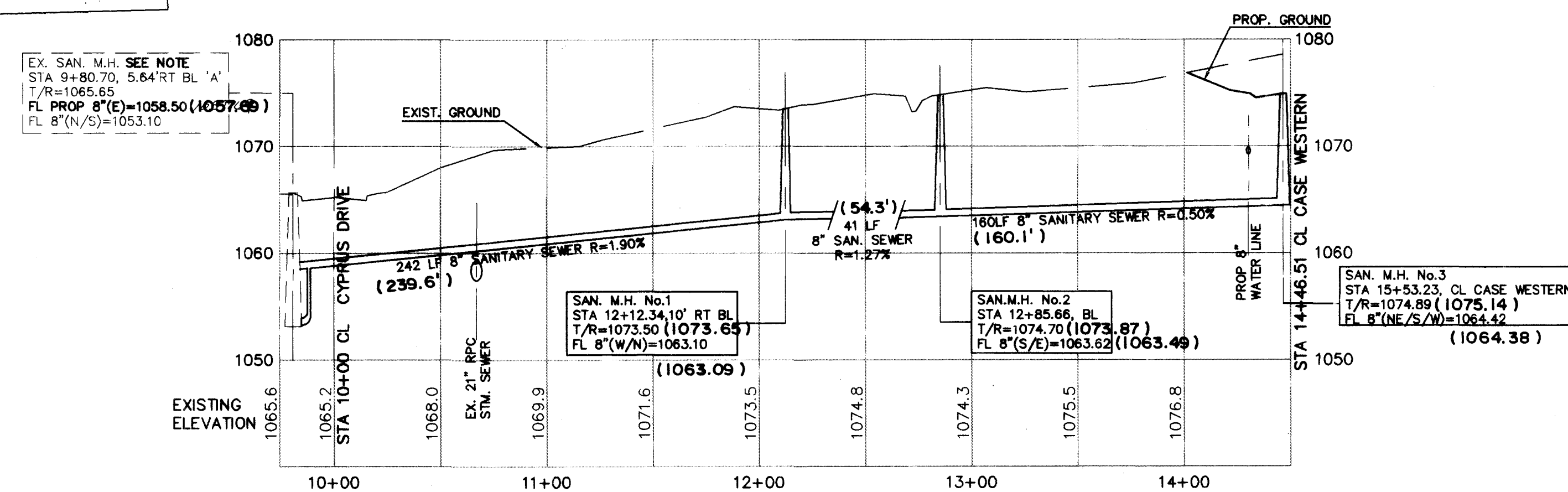
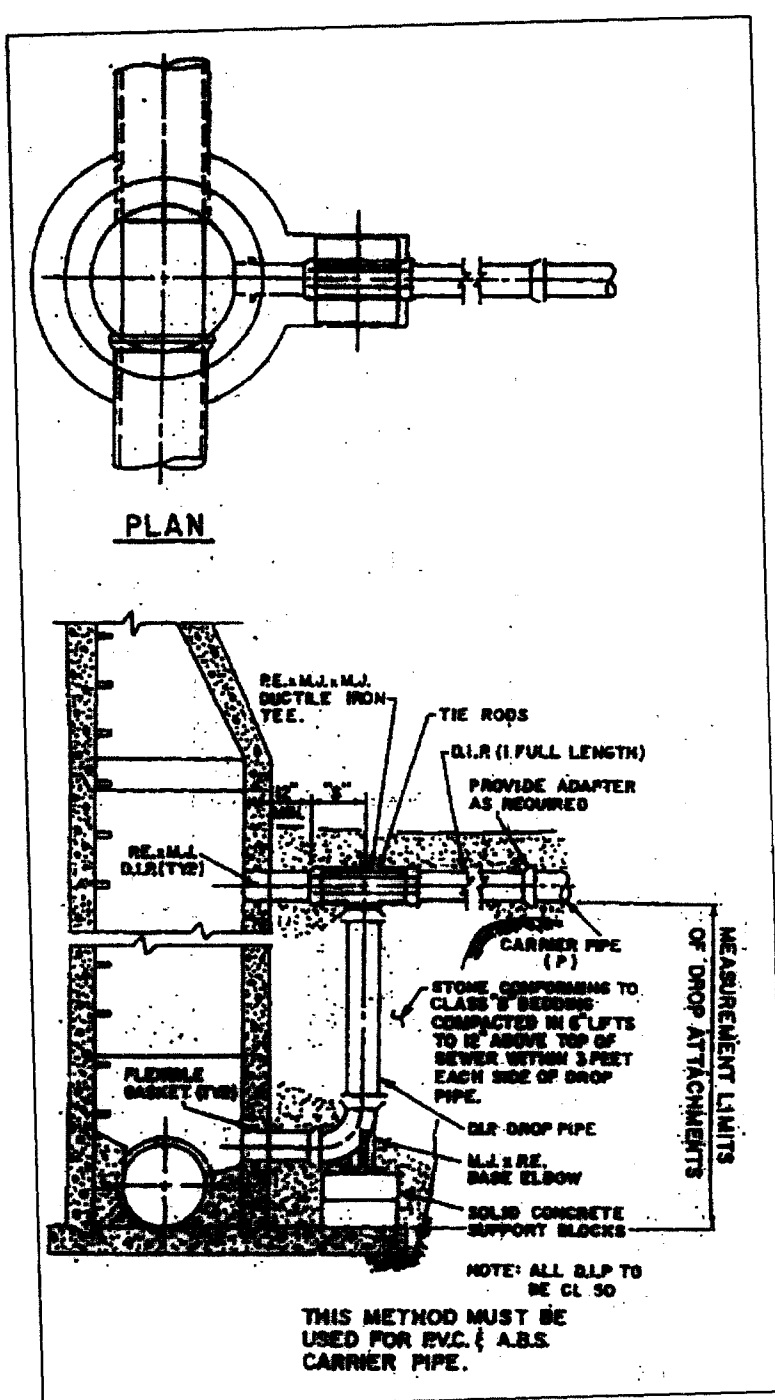
BENCH MARK
60" SPIKE FOUND 1.2' OF SOUTH SIDE
OF A 12" OAK TREE, 42' S 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 20, T-6 PERRY, R-9.
ELEV 1079.735

BENCH MARK
60" SPIKE FOUND 0.5' OF NORTH SIDE
OF A 12" OAK TREE, 42' S 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 20, T-6 PERRY, R-9.
ELEV 1074.625

SCALE HOR. 1" = 20' VERT. N/A		DATE MAY 1999		FIELD BOOK No. N/A		SHEET 4 OF 11	
BRYAN J. ASHMAN J.F. ROEDER E. GEIB				COOPER & ASSOCIATES, L.L.P. ENGINEERS AND SURVEYORS			
				1359 MARKET AVENUE, NORTH CANTON, OHIO 44714 PHONE (330) 452-5731 FAX No. (330) 452-9110			
INTERSECTION DETAILS UNIVERSITY VILLAGE PHASE 4 CITY OF MASSILLON STARK COUNTY, OHIO FOR : P.R.M.D.C. LTD.							
BRYAN J. ASHMAN E-043804 REGISTERED PROFESSIONAL ENGINEER		DATE 7/22		REVISIONS DESCRIPTION DATE BY C.H.B. CHK'D BY		PROJECT No. 99140	



SANITARY SEWER BASELINE



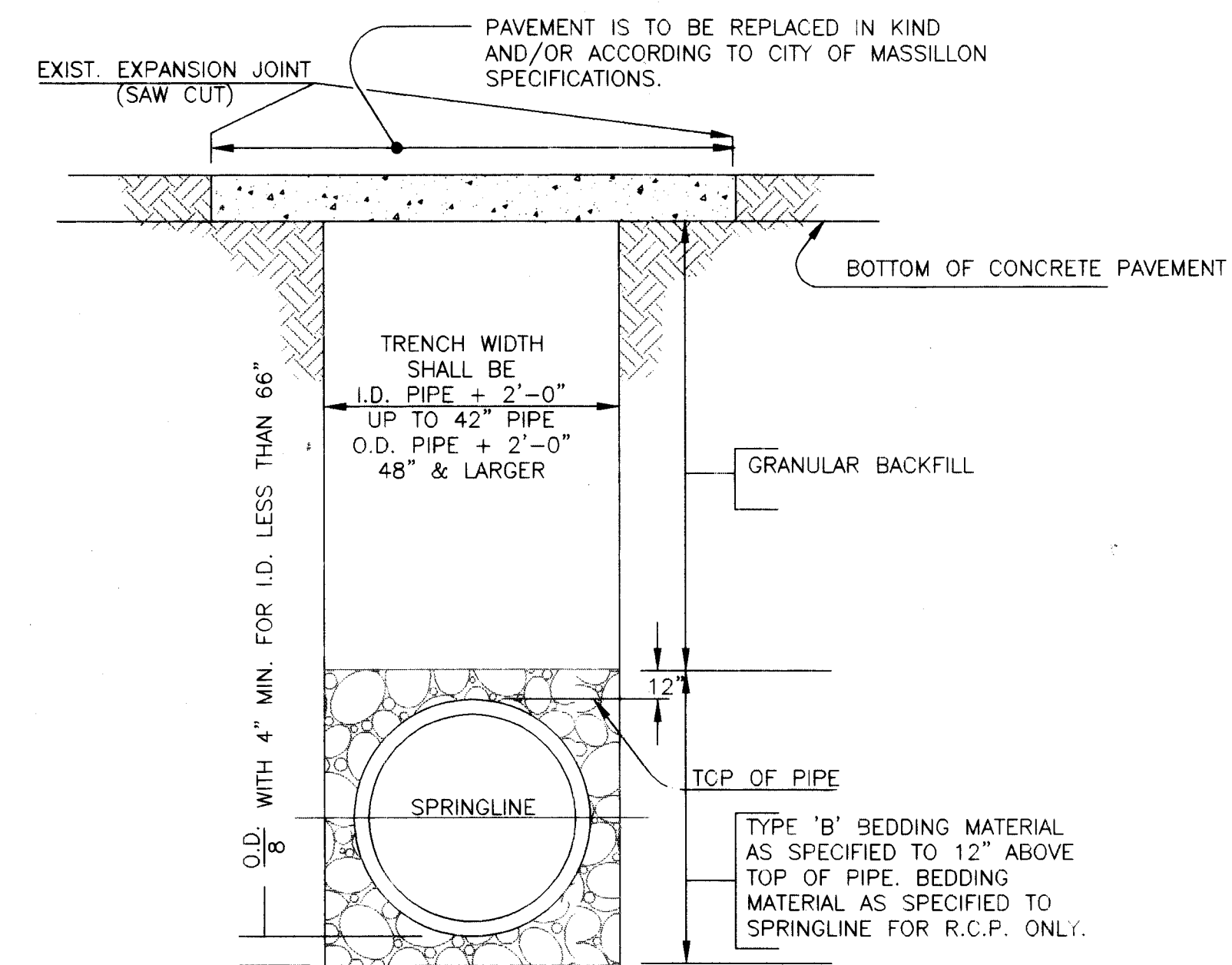
NOTE:
CONNECTION TO EXISTING SANITARY MANHOLE SHALL BE CONSTRUCTED WITH AN OUTSIDE DROP STRUCTURE. (SEE DETAIL THIS SHEET) CONTRACTOR SHALL CORE DRILL EXISTING SANITARY MANHOLE AND PROVIDE A WATERTIGHT BOOT ASSEMBLY TO ACCOMMODATE THE 8" SANITARY SEWER CONNECTION TO MEET EXISTING CHANNEL. CONTRACTOR SHALL REPAIR THE EXISTING MANHOLE AS NECESSARY TO CREATE A WATERTIGHT SEAL AT THE CONNECTION.

GENERAL NOTES FOR OPEN CUT WITHIN CYPRUS DRIVE

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION. HE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREET OR ROADWAY ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE CITY OF MASSILLON ENGINEER. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE DEVICES TO INFORM AND PROTECT THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC THROUGHOUT THE CONSTRUCTION PERIOD.
- THE LENGTH OF OPEN TRENCHES SHALL BE KEPT TO A MINIMUM AND SHALL BE PROTECTED BY SIGNS, BARRICADES, AND LIGHTS AS NECESSARY AND IN CONFORMANCE WITH THE REQUIREMENTS OF THE CITY OF MASSILLON.
- THE EXISTING CONCRETE PAVEMENT SHALL BE SAW CUT AT EXISTING EXPANSION JOINTS AND FULL CONCRETE PAVEMENT SECTIONS REMOVED AS REQUIRED FOR SANITARY INSTALLATION.
- ALL ROADWAY STRUCTURES AND MATERIALS ARE TO BE REPLACED IN KIND. THE SITE IS TO BE RESTORED TO ITS CONDITION FOLLOWING CONSTRUCTION, THE PRICE BID OF WHICH SHALL BE INCLUDED IN THE PRICE BID FOR THE SANITARY SEWER.
- FOR TRENCH WIDTH AND BEDDING REQUIREMENTS, REFER TO TRENCH DETAIL.

BENCH MARK
60d SPIKE FOUND 12' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY), R-9.
ELEV 1079.735

BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
6673 PLASTIC YELLOW CAP.
ELEV 1074.625

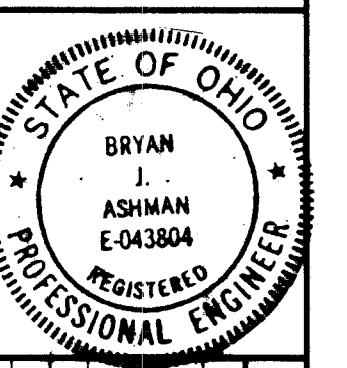


TRENCH DETAIL WITHIN EXISTING PAVEMENT
N.T.S.

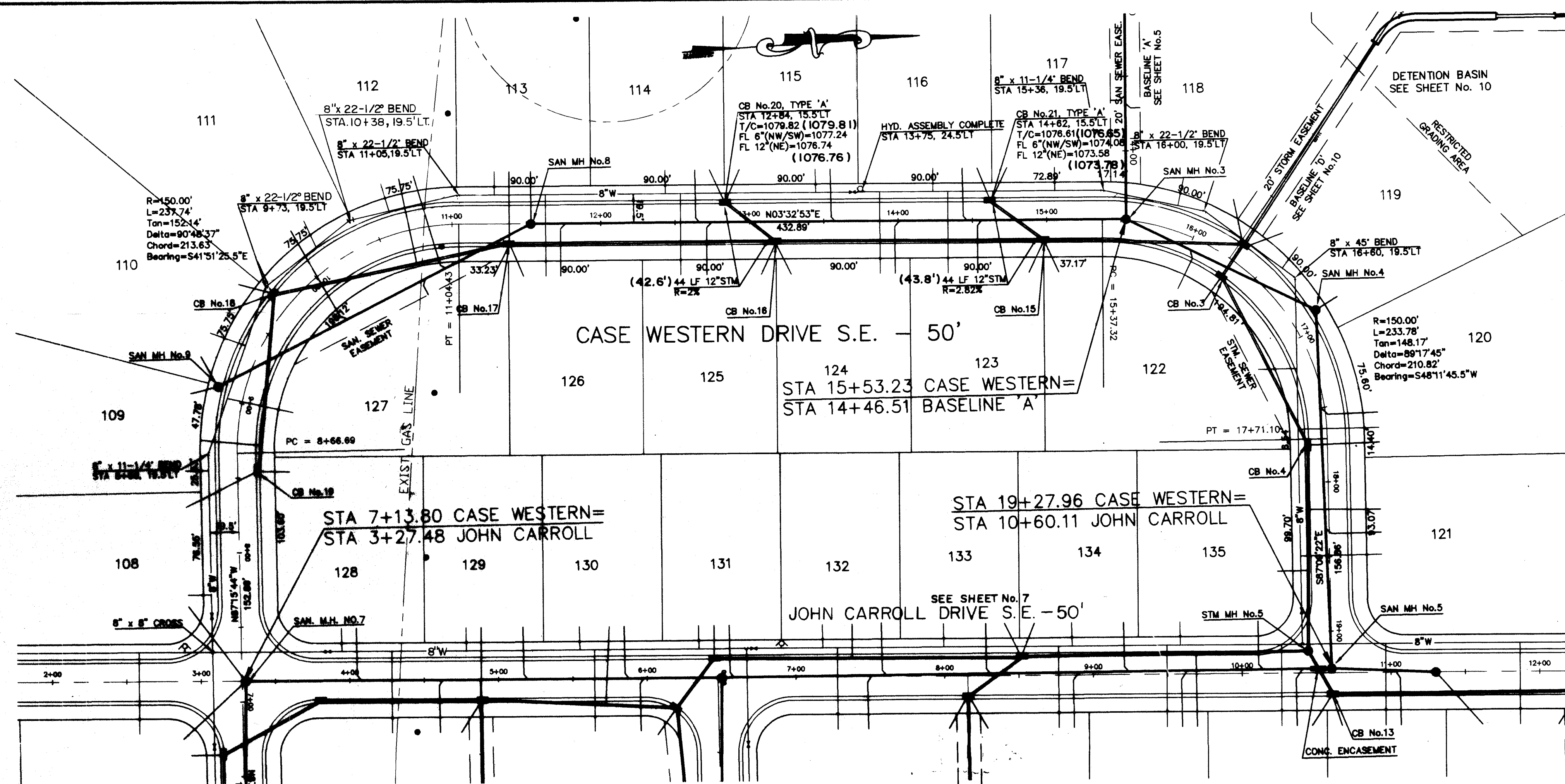
BRYAN J. ASHMAN
REGISTERED PROFESSIONAL ENGINEER
E-043804

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS
1359 MARKET AVENUE, NORTH CANTON, OHIO 44714
PHONE (330) 452-5731
FAX (330) 452-9110

PLAN & PROFILE SHEET
UNIVERSITY VILLAGE
PHASE 4
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR : P.R.M.D.C. LTD.



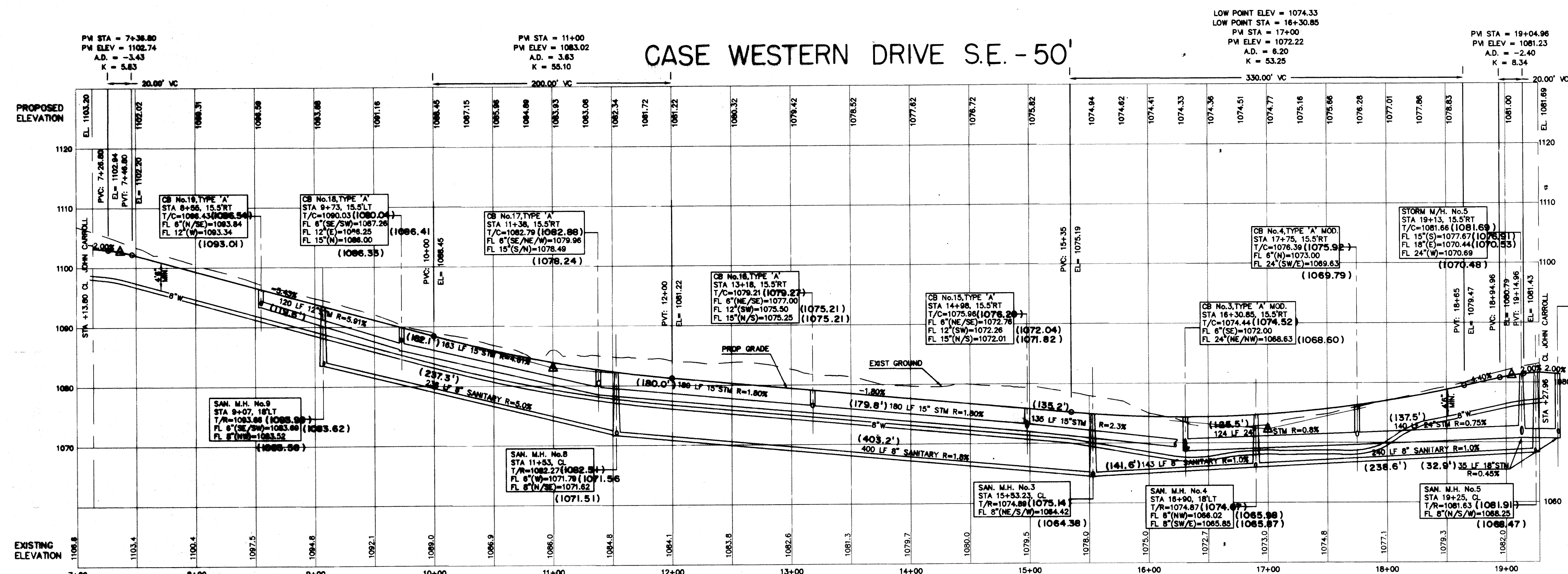
NO.	DATE	BY	REVISIONS
1	7/17	CHB	MASS. CITY COMMENTS
2			DESCRIPTION
3			REVISIONS
4			REVISIONS
5			REVISIONS



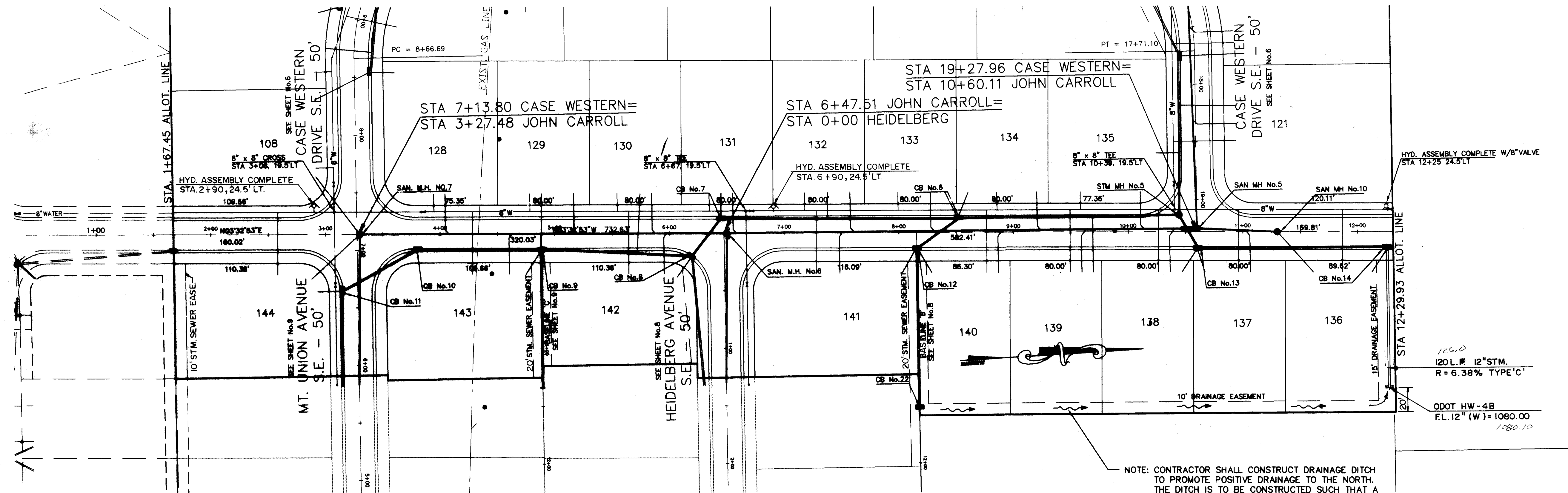
BENCH MARK
60d SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY),R-9.

ELEV **1079.735**

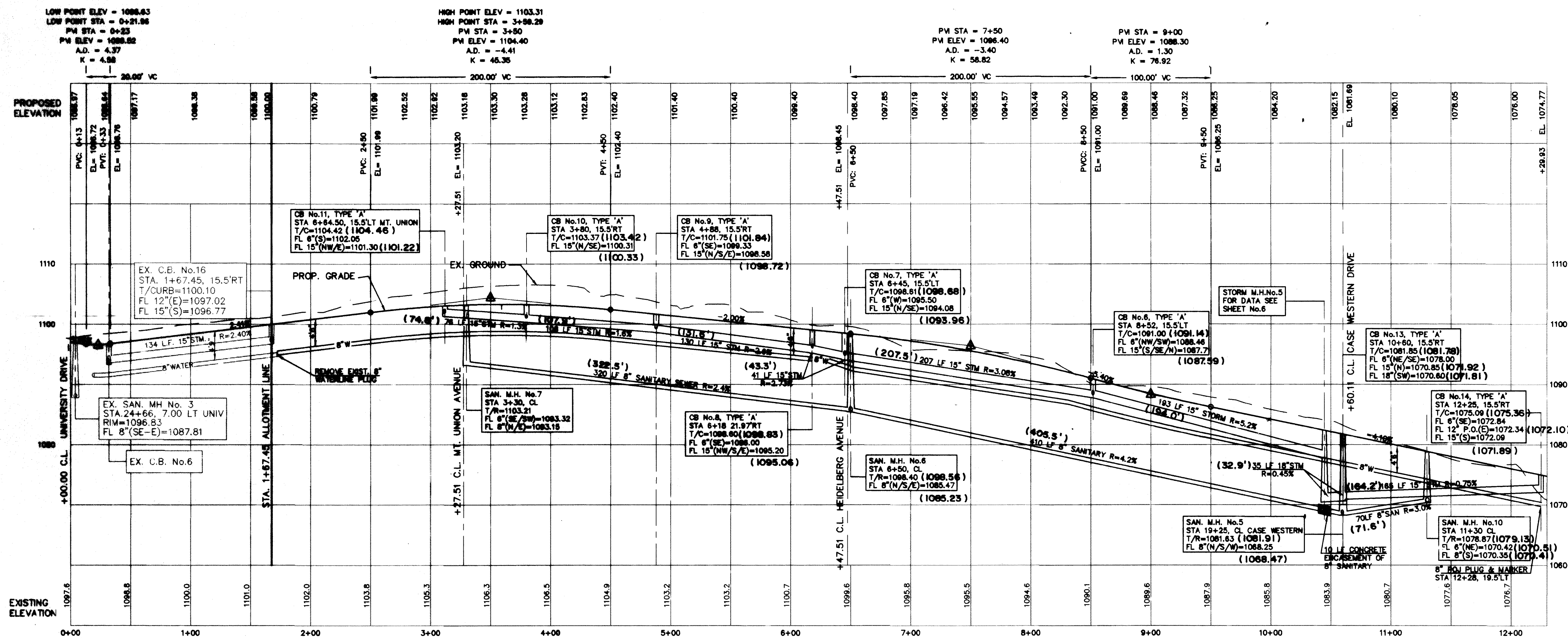
BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
6673 PLASTIC YELLOW CAP.
ELEV **1074.625**



CASE WESTERN DR.



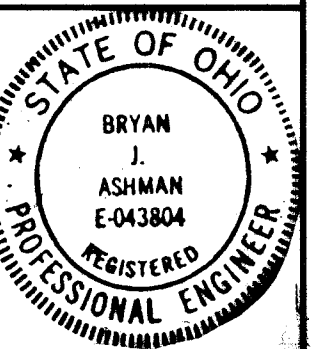
JOHN CARROLL DRIVE S.E. - 50'



BENCH MARK
60d SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY), R-9.
ELEV 1079.735

BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE S.W. CORNER OF THE N.W. QTR.
6673 PLASTIC YELLOW CAP.
ELEV 1074.625

PLAN & PROFILE SHEET
UNIVERSITY VILLAGE
PHASE 4
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR : P.R.M.D.C. LTD.



NO.	DATE	BY	REVISIONS
1	8/4	T.D.	ADD STIM SEWER
2	7/22	CHB	MASS CITY COMMENTS
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

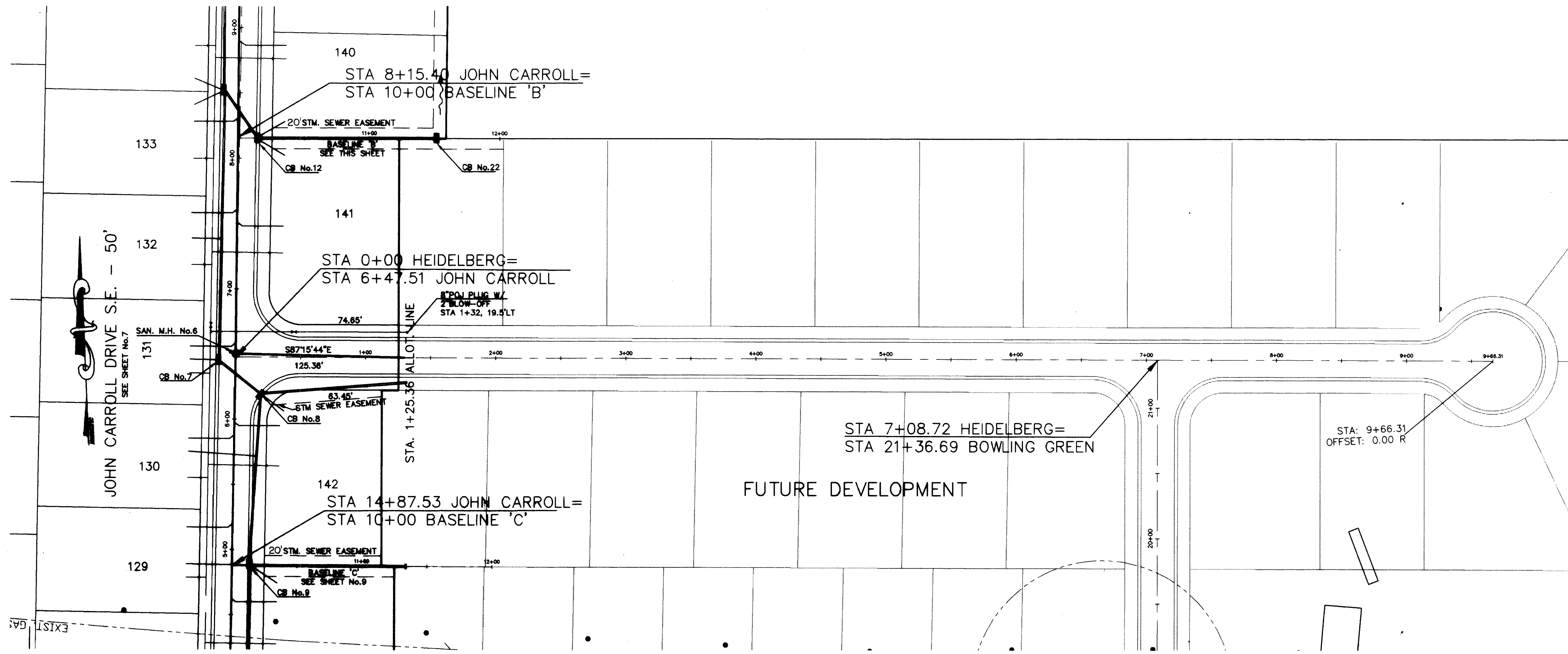
JOHN CARROLL DR.

99140

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS
1359 MARKET STREET
CANTON, OHIO 44704
PHONE (330) 452-5731
FAX (330) 452-9110

BRYAN J. ASHMAN
JEROLD E. GEB
MAY 1999
FIELD BOOK NO. N/A
SHEET

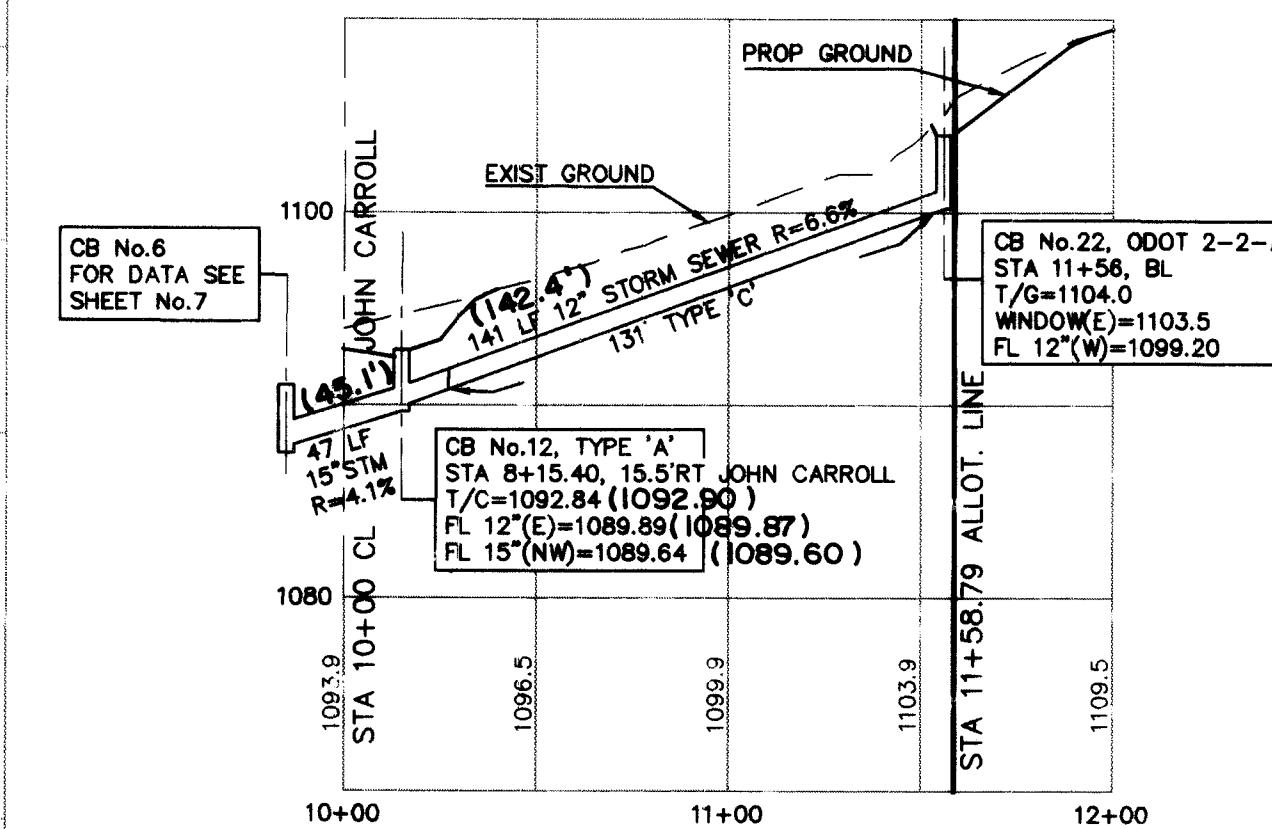
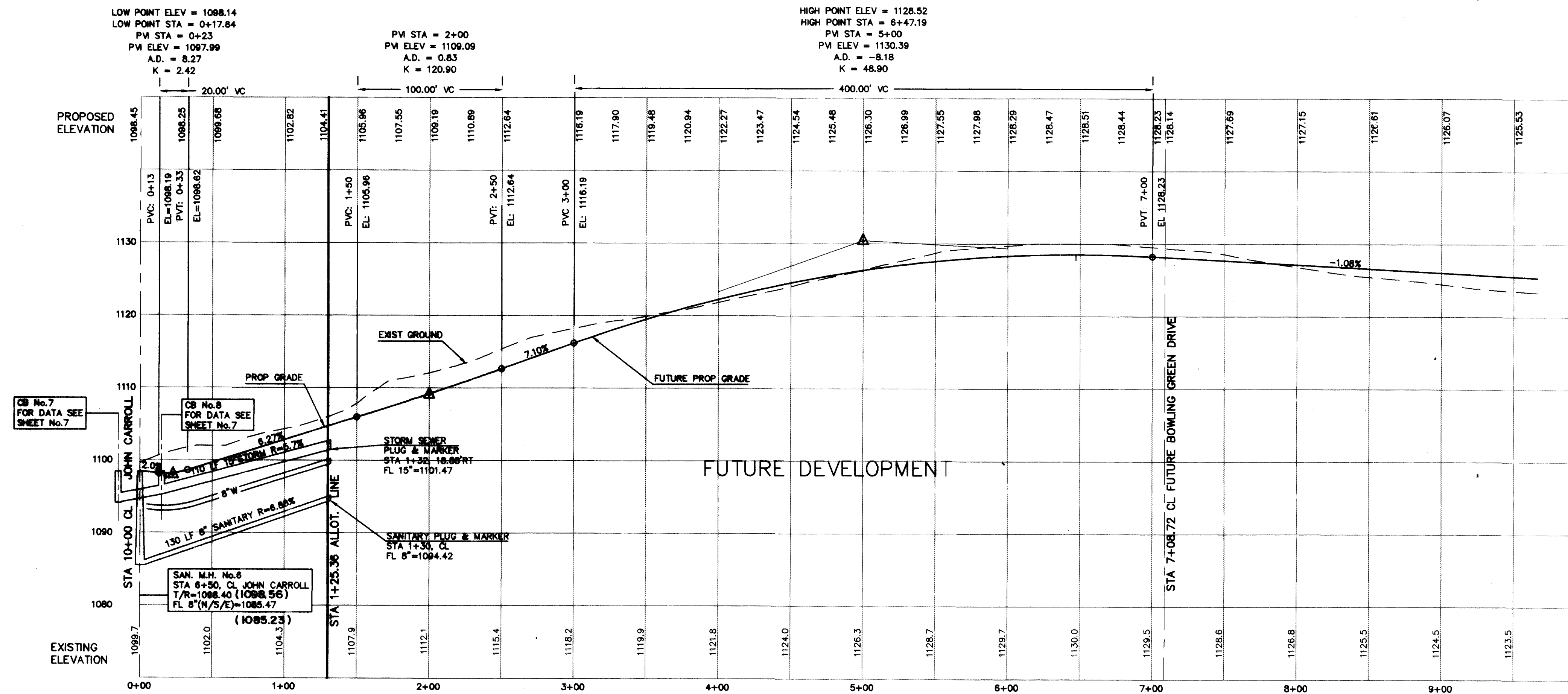
SCALE
HOR. 1" = 50'
VERT. 1" = 10'
DATE
FIELD BOOK NO.
SHEET
7 OF 11



HEIDELBERG AVENUE S.E. - 50'

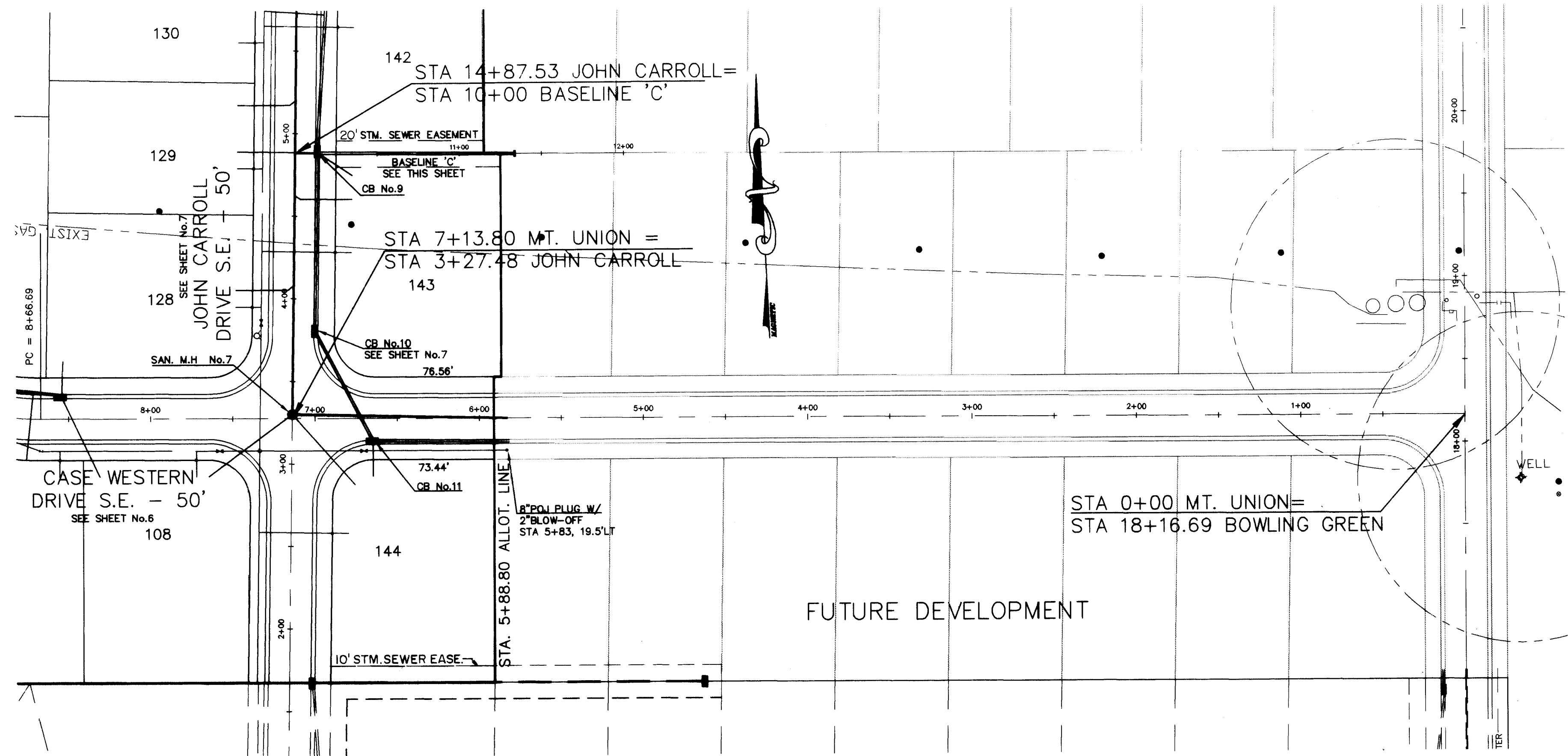
BENCH MARK
60d SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY), R-9.
ELEV 1079.735

BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEBEL'
6673 PLASTIC YELLOW CAP.
ELEV 1074.625

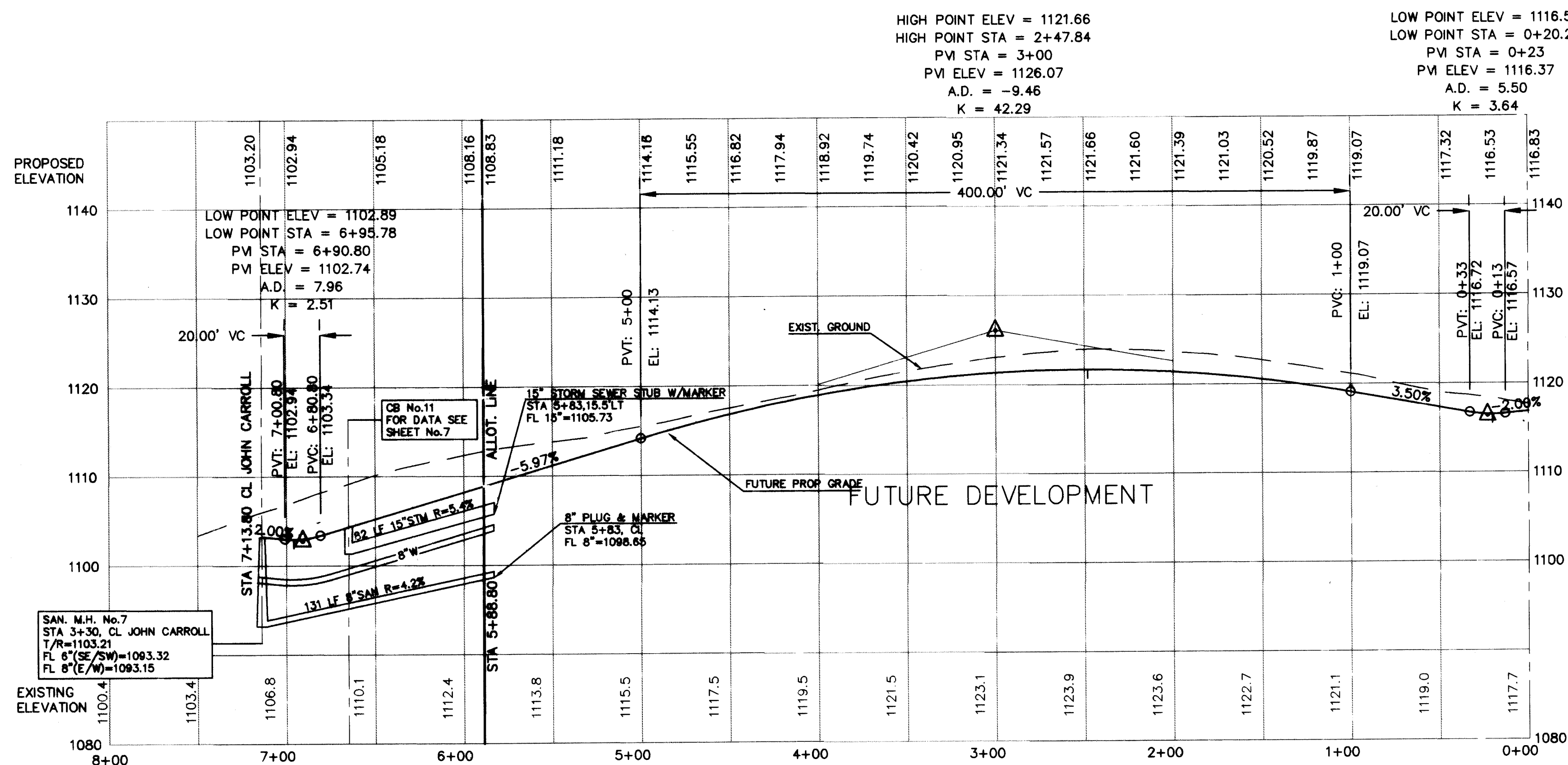


BASELINE 'B'

- * A MINIMUM DISTANCE OF 12" VERTICAL AND 4' HORIZONTAL SEPARATION BETWEEN WATERLINE AND STORM SEWER MUST BE MAINTAINED.
- * A MINIMUM DISTANCE OF 18" VERTICAL AND 10' HORIZONTAL SEPARATION BETWEEN WATERLINE AND SANITARY SEWERS MUST BE MAINTAINED.

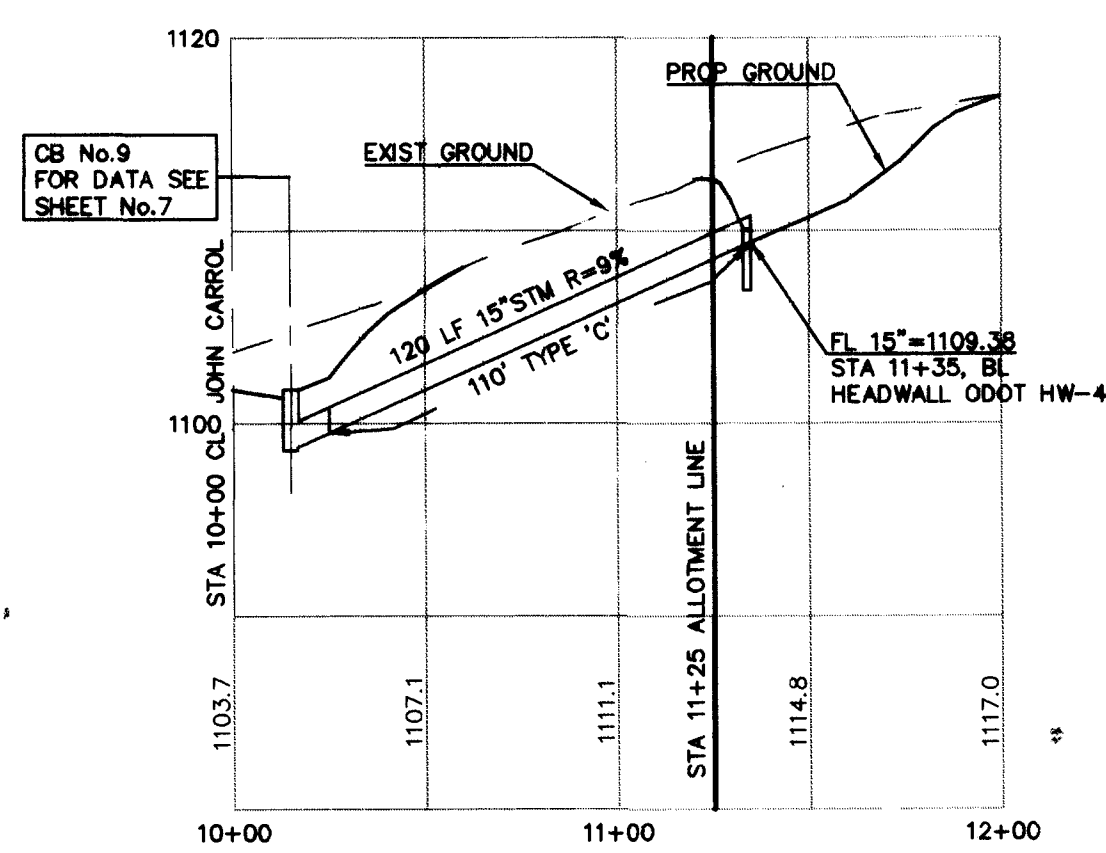


MT. UNION AVENUE S.E. - 50'



BENCH MARK
60d SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY), R-9.
ELEV 1079.735

BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 32.8' N 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
6673 PLASTIC YELLOW CAP.
ELEV 1074.625



BASELINE 'C'

- * A MINIMUM DISTANCE OF 12" VERTICAL AND 4' HORIZONTAL SEPARATION BETWEEN WATERLINE AND STORM SEWERS MUST BE MAINTAINED.
- * A MINIMUM DISTANCE OF 18" VERTICAL AND 10' HORIZONTAL SEPARATION BETWEEN WATERLINE AND SANITARY SEWERS MUST BE MAINTAINED.

